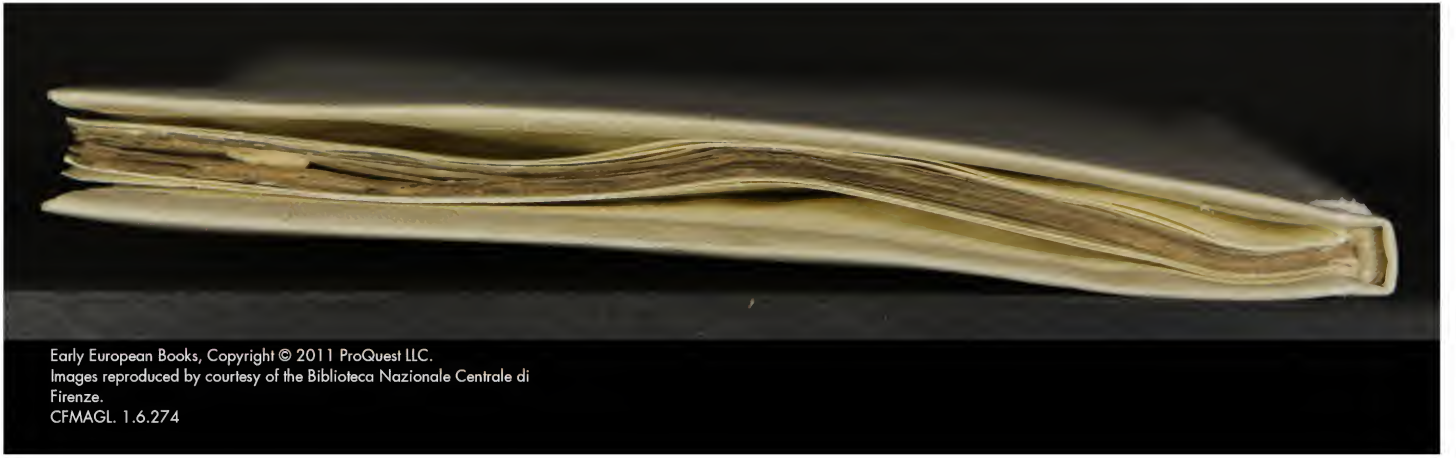
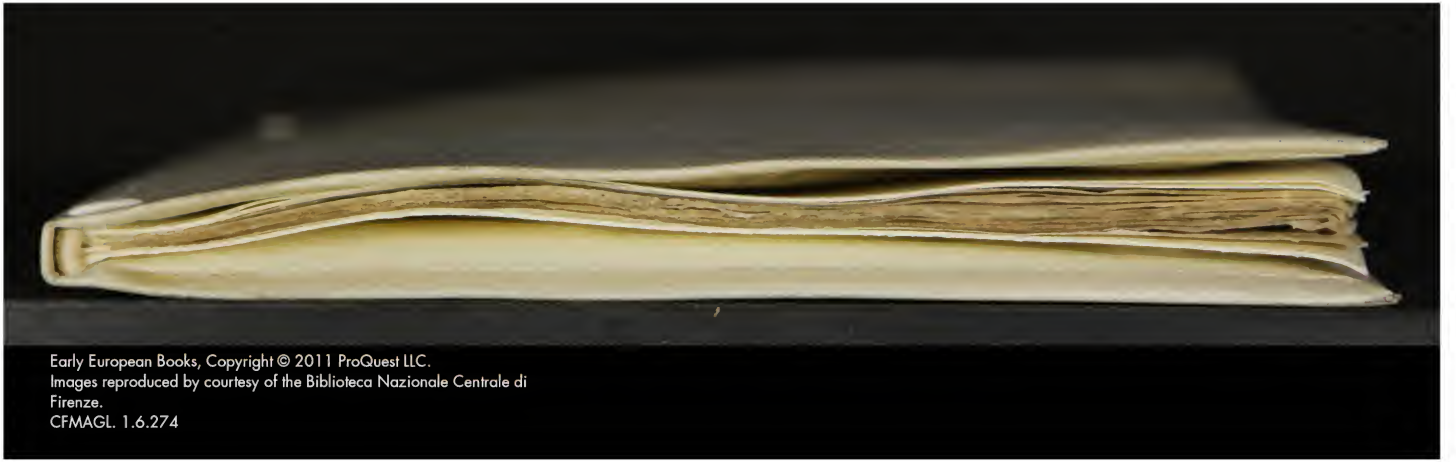


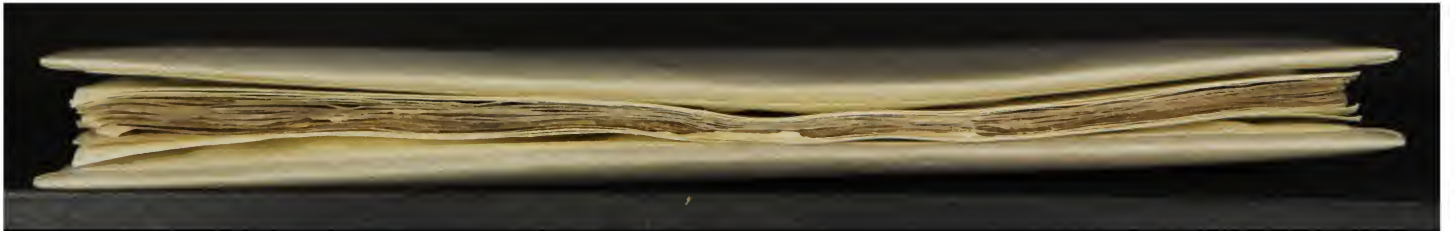
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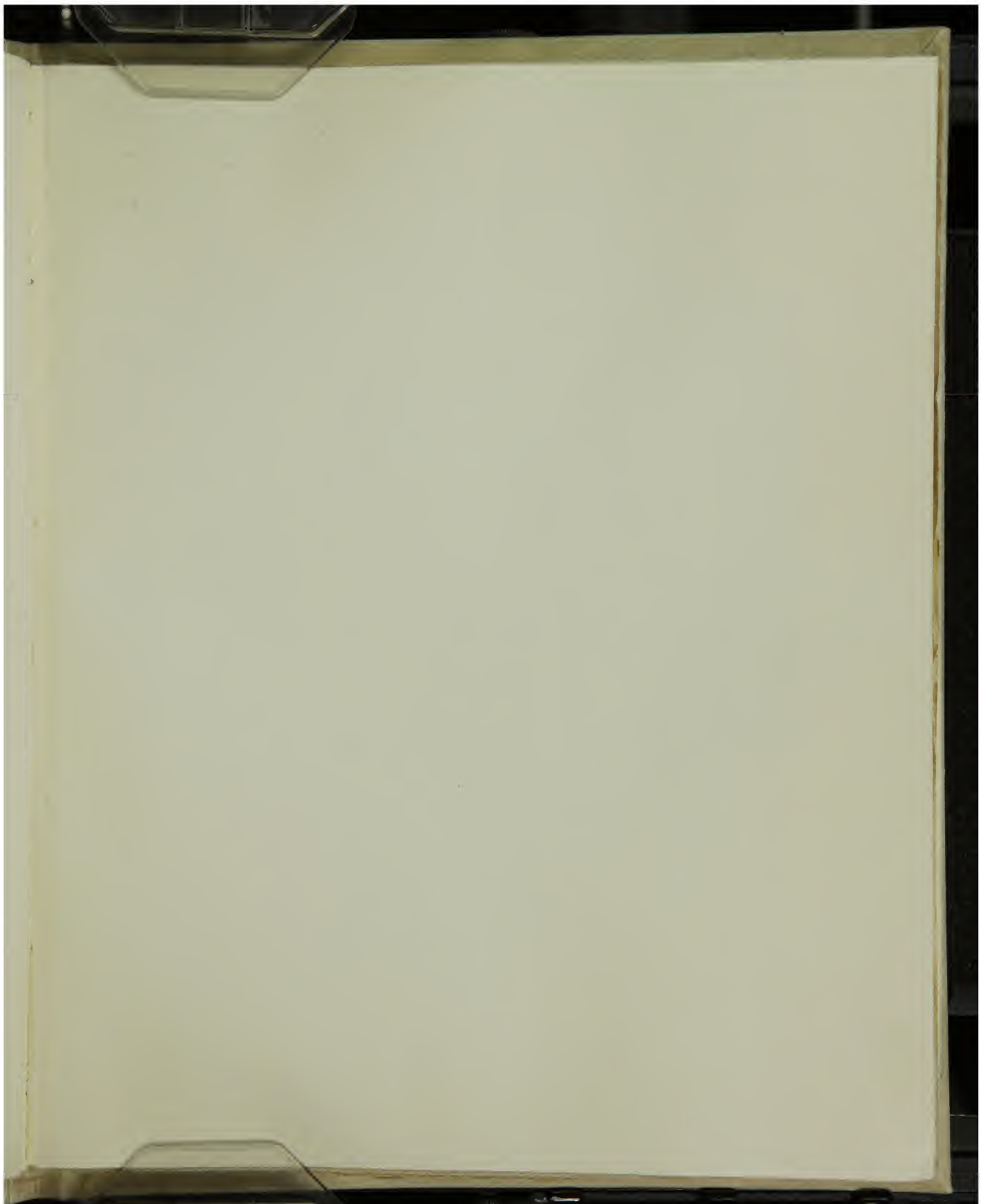


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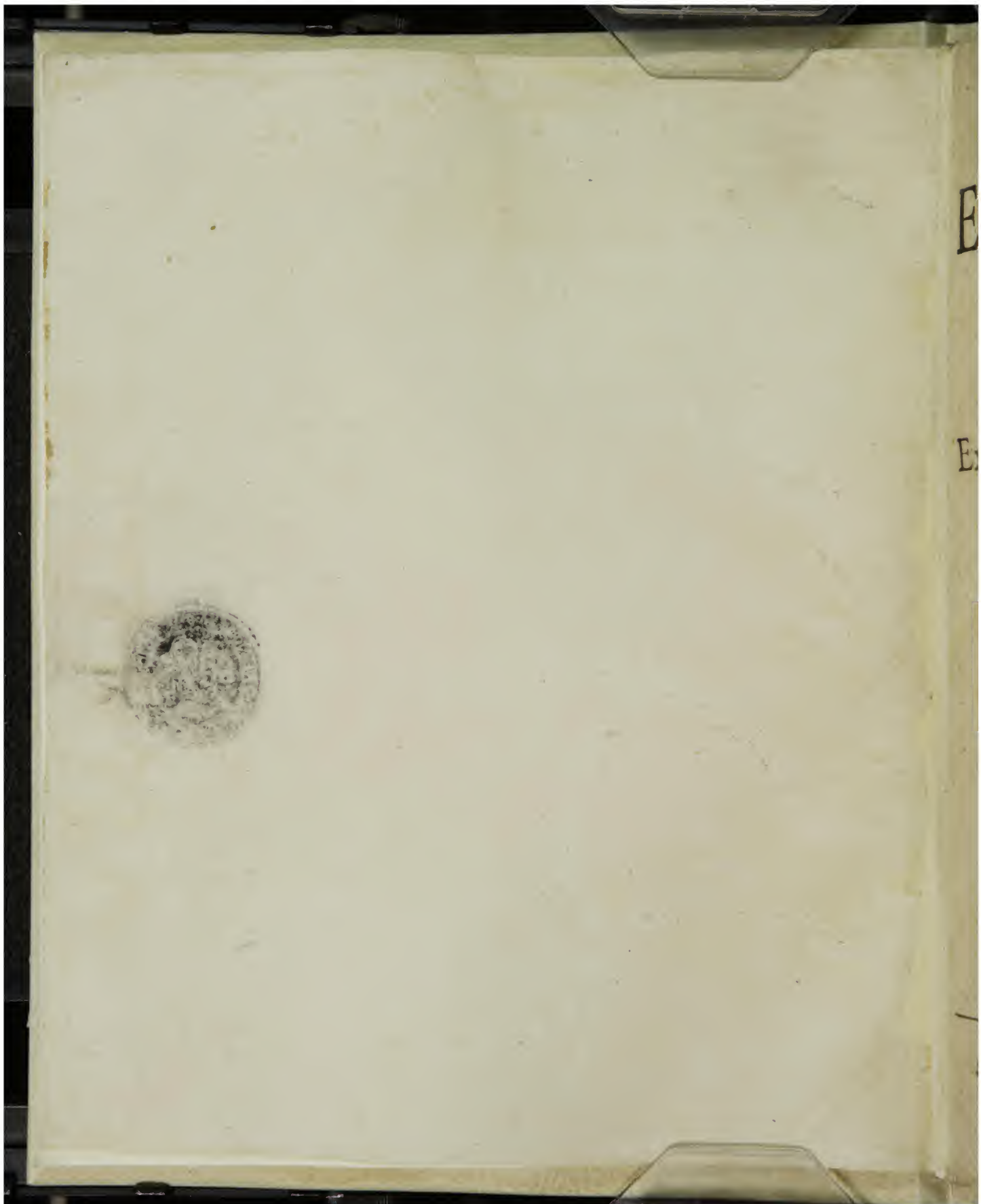
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1. 6. 276



1.6.274

1



URANIBURGUM
STRASBURGICUM,

sive Motuum Cælestium

EPHEMERIS NOVA

Tychonico-Kepleriana,

Ad Æra vulgaris à N. C. Annum

M. DC. XXIX.

EX TABULIS RUDOLPHINIS, juxta Nob.

TYCHONIS BRAHE observationes correct. & Cl.

JOH. KEPLERI hypothesen Physicas no-
vas diligenter supputata,

Æ edita.

Ad Illustrem ALSATIÆ Studiorum
Universitatem Academicam
STRASBURGUM.

Authore,

JACOBO BARTSCHIO,

Phil. MAG. & P. C. Mathem. & Med. C.

Cum Prefatione duplici:

Ad Excell^m. Mathemat. Caf.

CL. Dn. JOH. KEPLERUM, &c. de instituti hujus
atq. calculi ratione: .

Ad^q LECTOREM, de motuum dispositione
novâ & utendi methodo.

L I P S I Æ, Excudebat GREGORIUS Ritsch.

Sumptibus ZACHAR. SCHÜR. & MATTH. GÖTZ. Bibliop. Anno 1629.



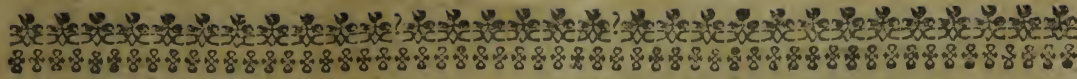


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Hocce
URANIBURGUM
PLANETICUM
STRASBURGICO
MERIDIANO
SUPERSTRUCTUM:

SUBMISSE
CONSECRATUM
MITTIT; OFFERT Q.
AUTHOR
JAC. BARTSCH. LAUBAN.
MATHEMAT. ET MED. CULT.

VIRIS



VIRIS NOBILISSIMIS,
Strenuo, Amplissimis, Prudentissimis,

Dn. CANCELLARIO,
Dnn. SCHOLARCHIS,
Dnn. ASSESSORIBUS,

ex ordine Senatorio
ARGENTORATENSIVM
ACADEMIÆ

NUTRICIIS MUNIFICIS,
Dominis meis beneficis:

NEC-NON

VIRIS CLARISSIMIS,
Magnifico, Spectabilibus, Excellentissimis,
ejusdem ACADEMIÆ laudatissimæ

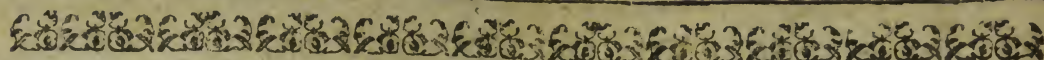
Dn. RECTORI,
Dnn. DECANIS,
Dnn. PROFESSORIBUS

Theologis, Jureconsultis,
Medicis, Philosophis,

DOMINIS PRÆCEPTORIBUS
& Promotoribus meis semper
honorandis:

A 2

S.



*Salutem & Incolumitatem omnimodam
ab Astrorum, Cælorumq;
Conditore, Motore, Conservatore
DEO TER MAX. TER OPT.*



Anus ferè jam agitur, **VIRI DOMINI**, quo ex mediâ Germaniâ nostrâ prodiit tamdiu desideratum **TABULARUM RUDOLPHI** Astronomicarum opus; Opus sanè, si quod aliud, cedro perdignum, & auro contra charum: sive primorum ejus Promotorum, puta, Divi Rom. Imp. **RUDOLPHI III.** à quo nuncupatâ, tum **FRIDERICI II.** Dani, cujus subsidiis inceptâ sunt, Cæsareas ac Regias impensas, & in hac arte delitias; sive diuturnos & infinitos multorum labores, sumtusq; , mechanicos pariter ac librarios, præcipuè primi Authoris, Generosissimi Danorum, **TYCHONIS BRAHE** per XXXVIII. annos observationum vigilias, & diligentiam inæstimabilem; sive novas in eo inventiones, & computationum ad XXVI. annos protractam cum fœnore perfectionem, puta Germanorum Clarissimi Dn. **JOH. KEPLERI**, III. ordine Imp. Mathematici, hypotheses causarum Physicarum novas, & absolutam calculi jam perennis editionem; sive aliorum nostri temporis litterati Astronomorum desiderium & suffragium eximium; sive tandem, quæ res est ipsa, consummatam artis sideralis, ubiq; ruinam minantis, restitutionem, motuumq; cœlestium erroneorum instaurationem perfectam, penè dixerim ultimam, æquâ lance perpendat æquus harum rerum supra nos positarum æstimator.

Quibus utiq; & ego permotus rationum illecebris, pluribus abhinc annis, quibus Astronômica Medicis admixta tracto, veteris erronei calculi tædio, easdem Tabulas avidè semper expectavi; & ex eo tempore, quo ab Autore ipso donatas accepi, pro tenuitate meâ tentavi, non tantùm novarum hypothesium Physicarum rationem in ipsis Planetarum motibus addiscere, sed novum etiam calculi Logarithmici compendiosioris modum exercere: Unde factum, ut per proximum hoc semestre (quo Mars publicum patriæ statum militibus, privatum Saturnus Parentis obitu, non parùm perturbavit) relictis ad tempus aliis, novâ cœlestium speculatione animum recrearem, oculosque supernis intentos ordinibus, à terrenis curbis subindè abducerem, Quo in negotio satis negotioso, his magis magisq; implicatus,

plicitus, illis sensim sensimq; extricatus, tentatum unum atq; alterum ex voto feliciter cessit, ita ut præter meam (meherculè) intentionem primam, primum fortè ex Rudolphinis editis editum fœtum rudem chartis exciperem; quem postea lambendo vividiorum factum, cur in publicum emittere, cur hac novâ formâ vestitum videri voluerim, sequens Præfatio duplex, fusiùs clariusq; dicet.

Eum sanè URANIBURGUM, metaphorico, modestè tamèn intelligendo vocabulo, nominare placuit: quippe ut ex Uraniburgo, Astronomiæ sede Tychnicâ, quam maximo apparatu in Insulâ freti Sundici Huennâ hos ad usus construxit BRAHEUS, cœlestium motuum observationes, exq; his Tabularum Rudolphinarum fundamenta desumpta sunt: ira ex hoc Astro-pœcilo-pyrgio Kepleriano, sive Ephemeride Tychnico-Keplerianâ, siderum ibi observatorum loca, certo tempore assignata, tanquam è cœlo, prævidere, eorumq; configurationes prædicere potest etiam, minùs exercitatus in hoc studiorum genere. Eundem verò STRASBURGICUM cognominare libuit, quod Meridiano vestro quoad Aspectuum tempora præcipuè superstructum istud URANIBURGUM, ex Tychnonis & Kepleri (ut dixi) fundamentis exstructum, sub vestro nomine, cum Artis hujus Cultoribus sine ostentatione ullâ communicatur.

Causas hujus mei & implorati & impetrati (spero) patrocini, si non habere alias, (habeo autem non unas) unicam istam instar omnium sufficere non dubito, quòd cum Mercurialis ille studii, sanè divini, genius, invalescente hoc Martiali turbatorum temporum ingenio cum reliquis ubiq; Musis ferè exulet, sedemq; in Parnasso aliquo Academico residuam quærat: ego quoq; aliorum excitatus exemplo laudabili, laudabilem præ aliis deligere volui, debui ACADEMIAM, cui laborem huncce meum & censuris probandum, & si meretur, contra zoilos in vestrà etiam Urbe (suspicio) non defuturos, defendendum offerrem. Vestram igitur celebratissimam, totoque orbe Germano studiorum favore decantatam appello primum, cui primum huncce meum, Tabularum Rudolphinarum editarum, fœtum semestrale mendicum exhibeo. Vestra enim est, STRASBURGUM, ACADEMIA, cujus Meridianum tempus Ephemeridis hujus respicit: Vestra est, quæ per quinquennium ferè, præsentem beneficiis multis, imò honoribus Philosophicis ornavit, jamq; ultra triennium peregrè absentis memoriam non deposuit omnem: Vestra deniq; est, in quâ plurimos plurimùm mihi & fuisse scio, & benefecisse fateor, quod si subicerem, nec meritis gratiarum laudibus deprædicarem, ingrati hospitis notam si non fronti, saltem menti inurendam vix effugerem.

Ne enim taceam, quos fato concessisse animus dolet, primos nomino:

Nobiliss. Dn. Adamum ZORN, &c. Prat. & Cancell.

Ampliss. Dn. Petrum STORCK, Conf. & Scholarcham.

EPISTOLA

Reverend. Dn. D. Tobiam SPECERUM, Eccles. Præs.
Consultis. Dn. D. Justum MEIERUM, Antecessor.
Nobilis. Dn. D. Melchiorem SEBIZIUM, Archiat. Sen. vener.
Eloquentis. Dn. Marcum FLORUM, Promotor. honorand.
Doctis. Dn. Casparum BRULOVIVM, Poëtam, &c.

Vosverò, qui adhuc summâ cum laude Academiam regitis, docetis, ornatis; quos Musa incolumes olim reliquit, esse adhuc optat, semperq; optabit, in primis nomino, deprædico:

Nobilis. Amplis. Prudentis. Dn. SCHOLARCHAS,
Dn. Bernhardum à KAGENECK, Præt. & Cancellar.
Dn. Johannem HELLERUM, Reipubl. Conf.
Dn. Franciscum - Rudolphum INGOLT XIII. Virum, &c.

Reverend. Excellentis. Dn. THEOLOGOS,
D. Thomam WEGELINUM, Eccles. Convent. Præs. id.
D. Isaacum FROESEISENIUM,
D. Johannem SCHMIDT, Conterran. venerand.

Consultis. Excellentis. Dn. JURECONSULTOS,
D. Casparum BITSCHIUM, Antecessorem,
D. Joachimum CLUTENIUM,
D. Georg-Davidem LOCAMERUM, &c.

Experientis. Excellentis. Dn. MEDICOS,
D. Johan-Rudolphum SALTZMANNUM, Thom. Dec. & Archiat.
D. Melchiorem M. F. SEBIZIUM Poliatrum,
D. Danielem RIXINGERUM, Thom. Præp. & P. Metaph.

Acutis. Clarissimos Dn. PHILOSOPHOS,
Dn. Laurentium Thomam WALLISERUM P. Ethic.
Dn. Matthiam BERNEGGERUM, Histor. & P. Oratorem,
Dn. Isaacum MALLEOLUM, P. Mathematicum,
Dn. Nicolaum AGERIUM, P. Physicum,

Dn. Nicolaum FERBERUM, P. Græc. &c. reliquis minimè postpositis, quos virtus & doctrina sua in defunctorum locum, me absente & inscio, interrim substituit evexitque.

Nec tamen omninò sicco (quod ajunt) pede præterire possum, ex reliquâ ibi civitate, Fautores meos magnos, Magnif. & Consultis. Dn. D. Johan-Fridericum SCHMIDJCTUM, &c. Syndicum Urbis eminentis. Rev. Dn. Wolfgangum SCHALLERUM, Templi summi Pastorem, & olim Academiae Visitatorem, Hospitem colendum: Dn. D. Isaacum HABRECHTUM, Med. & Astronomum. Claris. Dn.

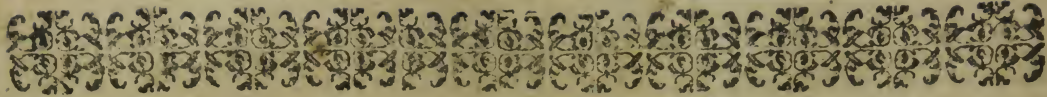
DEDICATORIA.

rifs. Dn. D. Benedictum MALLEOLUM, Fratris instar colend. Dn. Reinhardum WIDT, Mechanicarum non minùs atq; harum artium studiosiss. Dn. M. Paulum GNILIUM Siles. & Dn. M. Eberhardum WELPERUM, Scholæ Collegas, &c.

Rectè igitur (ut concludam) concludo fecisse me, quòd in debitæ gratitudinis & observantiæ testimonium, hæc pagellas motuum cœlestium Astronomicas, coram Acadêmicis tribunalibus præsto, ita tamen, ut ARGENTORATIENSIIUM Universitatis nomen habeant præscriptum. Agite nunc, VIRI DOMINI, ACADEMIÆ PROCERES, Fautores & Benefactores mei, hoc quicquid est EPHEMERIDIS novæ, summo studio, summoq; labore ex novis Tabulis Rudolphinis supputatæ, in proximè futurum Annum, quem vestræ & Urbis liberæ, & Academiæ felicissimum cœlitus illucescere animitus precor: Agite (inquam) hocce Urani-burgum Planeticum, Strasburgo sacrum, sereno vultu aspiciate; benignâ manu accipite; favoris & benevolentia vestræ fulcris sustentate, erigite, decorate: Mathesin promovete, & Autori (quod facitis) favere non desistite. Datum in superioris Lusatia VI. Civitatum LAUBA. Kalend. VII. br. Anni decurrentis 1628.



Ad Excel-



Ad Excellentiss. Mathemat. Caf. Clar. Virum

Dn. JOHANNEM KEPLERUM, &c.

Præceptoris instar ver. sandum



Uodego sapè doleo, Vir Præclarissime, Fautor observande, mirari te, sepiùs suspicor; non tam quòd ante annum fere, vicinorum locorum conjunctio, coràm colloquendi occasionem denegabat, quàm quòd per annum jam distorum longius incognita absentia, literarum etiam colloquium prorsus sustulit. Ut tamen hoc brevi compensatum iri credo, ita illud Ulma ante triennium mihi obtigisse gaudeo. Quippe tunc temporis Italia Patavium petiuro, in transitu pauca quidem, sed grata tecum loqui concedebatur; ante annum verò reducem me Augusta Vindellicorum, ut nòsti, Uranographiæ Christianæ Schillerianæ posthuma perficiendæ propositum, T. Ulma Svecorum vicina Tychonici Tabularum Rudolphinarum operis impressio occupatum; donec finitus eodem tempore amborum operis, tuus Francosurtum versus, meus in patriam improvisus abitus, omnem hæcenus sive literis, sive coràm de rebus Astronomicis colloquendi occasionem interceptit. Licet enim ex eo tempore, bis Pragam, semel Ulmam, hinc literas ad Te pertinentes misi, aliasq; inquirenti passim occasiones non neglexi: Praga tamen altera absentia, altera discessus tui nuncia redierunt ad manus meas, Ulma nihil; nec, ubi locorum degeres, antea rescivi, quàm superioribus diebus, Excellentissimus Lipsensium Prof. Mathematicus, Dn. Licent. Philip. Müllerus, Præceptor meus nunquam satis honorandus, certior hac de re factus me monuit, Urania tua gratias Silesiam nostram posthac inhabitaturæ & illustraturæ esse. Quà de re Tibi gratulor, mihi gaudeo, utriq; simul optima quæq; apprecatus: Interim, si fortassis hæc, quicquid est, laboris mei, tuum nomen præferentis, prius ad manus venerit, quàm epistolium meum; scias, non tam præmissum esse, ut de me, meoq; statu, quàm ut de hujus mei laboris & instituti ratione tibi constaret.

Quod igitur primò Ephemeridus hujus & supputanda ansam, & edenda causam spectat, ut hoc præmittam, olim (si rectè memini) Ulmam inter alia aut scripsi, aut scribere volui, me prætor alia usibus præcticis apprime accommodanda opuscula Astronomica, meditans super, jamq; tentatis variis adornare, Planetarum non Theorias speculabiles, à Peurbachio, Maslino, aliis, aq; Te ipso suscipis & clariùs explicatas; sed eorundem Sphæras (ut ita dicam) Præcticas, in quibus (sive Secundorum Mobilium Directorii, sive Sphæricis Secundorum Motuum Organis, sive Organicis Planetarum Æquatoriis, sive convenientiori non in alio aliquando insignientis) affectiones Planetarum propria, sive proprii Secundorum Mobilium motus oculariter demonstrari, & mechanicè licet ruditer, celo tamen in gradibus convenienter, juxta hypotheses Astronomicas doceri queant: non minùs ac in vulgaribus Sphæris Globifve, affectiones siderum communes, ratione primi (quodcumq; illud sit) mobilis eis competentes vulgò demonstrari, & oculis etiam illi creatorum exponi possunt. Quemadmodum enim cerè expertusq; scio, plures etiam primi & quotidie oculos incurrentiu cælorum motus curam aut neglecturos, aut non intellecturos, nisi per Sphæra armillas aut Globi circulos Sphæricos motumq; oculariter doceri & ceu manuduci possent: sic contra plures etiam majori studio contemplaturos credo, secundorum mobilium motus, minùs quidem observabiles, at cerè magis delectabiles, & primi Motoris sapientiam testantes mirabilem, si eodem modo demonstrarentur & ad usus parat: & ad oculum: si (inquam) non per numeros tantum vel schemata, nullam motus variationem, nisi pluries resingantur, exhibentia; sed per organa etiam spherica, (tam secundum veteres Ptolomæi & vulgares Eccentricorum, Epicyclorum, Æquantium, &c. quàm juxta novas Tychonis Homocentrepicyclorum,
aut tuas,

P R Æ F A T I O, Ad Cl. Dn. KEPLER.

aut eas, quoad ejus fieri potest, causarum Physicarum Hypotheser, oculis minus exercitatorum in hac arte sub-
 cerentur Planetarum singulorum tum motus medii Longitudinis, Apogei vel Aphelii & Eccentrici horumq; lineæ ac
 æquationes, puta Eccentricæ, coæquata seu Epicyclica, orbūq; prosthaphæreses dictæ; tum vera longitudo & latitu-
 do cum nodis; tum deniq; mire apparentes Stationum, Regressionum, Directionum, motūq; modò celerioris, modò
 tardioris phantasia, & qui in Systemate motuum Tychonico inprimis admiratione dignus est, Planetarum reliquo-
 rum Solem medium, ducis instar aut choragi, certis & conjunctionum & oppositionum terminis, semper centri, lo-
 cò respicientium ordo constantissimus & pulcherrimus.

Quibus ita premisus, ad hoc sane institutum meum, ut supra laudati Dn. L. Mülleri meditationes publi-
 cè nuper propositas, tanquam eò collimantes; ita & præter tuam astronomia Copernicana Epitomen, Tabulas Ty-
 chonis Rudolphinas adjumenti multum suppeditare non distico. Licet enim easdem, ut dudum expetitas, ita tunc
 ex prelo adhuc calentes, & licet præter meritum meum, non tamen ingrato dono missas Augustam, magno quidem
 gaudio pellustravi obiter; quod tamen dignè ad petitum tuum neq; pellegere singula, neq; ad quasita respondere
 potui, utriusq; improvisus ut ab initio attigi, & tuus Francosurtum, meus Lipsiam propter comites ad nundinas
 descensus, impedit. Ubi postmodum eas sapius laudato Dn. Müllerero, nondum visas aut illuc allatas, & proin tanto
 majore gaudio exceptas, reliqui ad tempus, siquidem primis statim diebus apud Parentes, per octennium non visos,
 calculum tenuari distidebam: quem tamen post etiam, receptū sub anni hujus initium Tabulis, inopinatus, tristiq;
 Parentu unice dilecti obitus non mediocriter suspendit.

Ante hoc autem semestre, aut quod excurrit, animum cum Tabulis resumens, partim novarum tuarum
 & physicarum hypothesium percipiendarum, partim novi & Logarithmici calculi exercendi cupidus (neglecto et-
 iam Martii patriam turbantis insano strepitu,) cepi labore multo conquirere, & ad certos aliquot hujus currentes,
 & sequenti 1629 anni mensium dies, juxta Tabularum præcepta, supputare, Planetarum quinq; maximè nunc
 aberrantium tum medios motus longitudinis, Aphelii & Nodi; tum Anomalias medias, Eccentricas & coæquatas;
 tum ad cognomines, orbūq; annui æquationes, ipsa loca vera in longum & latum: At in Lunâ difficiles calculi pro-
 lixioris spinas, duplices nempe hypotheser, easq; nonnihil differentes, in variationis præcipuè negotio, cum viderem,
 cumq; insuper utriusq; calculi differentiam, qualis & quanta ubiq; sit, in aliquot periodorum diebus singulis peri-
 clitaret, factum, ut plus quàm dimidius annus, singula seorsum inquirenti, efflueret.

Quibus ita peractis, cum hac de re certiore faciendi te occasio nulla suppeteret, ignaro in hoc regionum
 angulo, ubi degeres terrarum: tandem ecce! Vix à bimestri, dum superatis pleriq; difficultatibus, magis magisq;
 sub manibus calculus succedit, consilio reliqua ad integrandam Ephemerin adjicere, eamq; Bibliopola alicujus
 sumibus edendam dare, ut si citius alias nullas, saltem hæc præfatorias publicas ad Te deferrem quamprimū,
 quas etiam propterea suscipi hic explicare non dubitavi. Quemadmodum verò aliàs ante annum, opellam, meam
 exiguam, promptam, lubens meritoq; obtuli: ita nunc cerè persuasum habeo, velim, me hujus anni Ephemerin sus-
 cipere, meo privato primò supputatam ita offerre publicis, ut interim tuas luculentiores & digniores nullatenus vel
 impedias, vel turbas, sed multò magis (quod hoc publico testimonio liquido confirmo,) pro tenuitate meâ, quan-
 tum videlicet de re tuâ, mea q; fuerit, adjutas velim: imò magis hanc edi debuisse, ut & tibi de meo qualicunq; la-
 bore prompto, & aliis astrorum peritu de tuo calculo Lunari, & Tychonico nunquam in tuis antea conjunctim ex-
 presso, constaret. Accedunt edizionis alia privata cause, quas cum aliquando coram (siquidem nos Deus incolumes
 in Silesia brevi conjunxerit) expositurus sim melius, nunc omitto, & de reliquis reliqua præmoneo.

Primò quod ipsius calculi rationem attinet, de eo nonnulla præfanda duxi, ut si aliqua occurrat diffe-
 rentia, rectius, unde oriatur, dignosci queat. Alias s. h. alma Typographi nullum, in numeris vel omisus vel transpi-
 fitu residuum, mea inter excudendum absentia vix admittit; calculi verò errorem nullum ullibi commissum infi-
 guem, quemadmodum differentiarum ubiq; iustarum collectio promittit: ita si quis fuerit, eum tum excusabit mi-
 risò numerorum toties ad nauseam serè, a me solo iteranda scriptio descriptioq;, tum emendabit facile præcedentium.

B

Atq; 16

P R A E F A T I O

atque sequentium motuum inspectio collatioque. In Aspectuum tempore si alicubi erratum, (quod facilius factum sufficior,) motuum eadem illa collatio de extra corriget ac proder.

In genere autem calculum, ubicumque opus, Logarithmicum, eumque scrupulosum adhibui, juxta Tabularum praecepta: motusque Planetarum non gradibus tantum & minutis notavi primis, verum etiam secundis, his tamen non singulis, (praeterquam in Sole) sed senis semper, seu minuti decimis partibus, sex secunda constiuentibus: (ad eundem modum, quo per assis partes difficulter memorandas Angulum Orientis, sive Altitudinem Nonagesimi in Tabulis describis:) Neutrum novitatis, sed utilitatis studio. Licet enim ad secunda semper descendere curiositatis potius, quam necessitatis esse videtur, (siquidem caelo vix minutissima calculi respondent, utinam minuta semper) tamen haec quoque cum negligentiam, tum incertitudinem quandoque arguit & parit, si secunda semper omittantur, praesertim in quibus alia atque alia ex his subinde deducenda sunt, & instar annulorum in catena suspendenda: nam hic uno, ibi rursus altero dimidio neglecto, tandem unum atque alterum minutum integrum alicubi redundare, alicubi deficere potest, & desiderari, nisi fortuita compensatio fiat. Quapropter mediam quasi viam incedens ego, ad majorem calculi à Te correcti atque restituti certitudinem probandam, & ad exactiorem differentiarum diurnarum subinde crescentium ac decrescientium seriem obtinendam, secunda, licet singula diligenter (quantum ratio Tabularum tertia negligentiam permittit) supputata, tamen sena tantum (seu minuti decimas, & secunda valentes,) per ultimum ubique numerum describere malui: ne vel omnimoda secundorum neglectio errorem primorum alicubi pareret, (in motu scilicet diurno, & pendente hinc proportionali parte addenda vel subrahenda, inque Aspectuum tempore potissimum, horarum minuta determinando;) vel omnimoda & expressa singulorum annotatio, minus necessaria, minus etiam certa, typos, ob chartae angustiam, arctaret & confunderet. Exemplum illud demonstrari possit, nisi supervacuum videretur.

In specie circa singulos Planetas, Tabularum praecepta unice observavi: in Lunam verò, cum modi aliquos apponantur, quem ego praeter reliquis in duplici ejus calculo semper observavi, ut significem, opera pretium videtur. Locum fictum seu primò aequatum Anomalia coequata, ut alius, produxit. Aequationis partem competentem, Argumenti annui mensuram, Log- & Antilogarithmorum, cum scrupulis secundis ex canone ipso sumtorum mistorumque, pars respondens ex Heptacoside dupla dimidiataque, fecit, quae postea per Particulam Exsortem ex propria tabella fermentata, & per Anomalia intercolumnium multiplicata, ad angulum reducta fuit. Variatio utraque ex Tabella propria depromta: sicque Aequatio luminis composita ex singulis seorsim factis absoluta, quae duplex, juxta utriusque hypotheseos, Lunam in orbita sua Eccentricam, posteaque, juxta generalem modum reductam, in Eclipticam veram dedit. Latitudo etiam simplex, juxta utramque, Nodi prosthaphereosin ex propria Tabella inquisitionem, & partem ejus quintam per augmentat. anguli soluti multiplicatam, & latitudinem Lunae veram producit.

Quod autem calculum Lunarem duplicem, duplici etiam labore, ad singulos dies supputare, supputatum hic inferere non subterfugi, causa est; illius quidem, quod duplex unius hypotheseos fundamentum, puta, variationis motus atque Nodi prosthaphereos, Tabulis quoque inseratur: hujus verò, quod cum ita duplicem & circa octantes singulos maxime differentem calculum variet variatio, partim exercitii ergo, partim utriusque gratiam debitam habendi studio, vel alterum omittere, vel utrumque miscere nefas duxerim: praesertim cum neutrum plane careat utilitate. Sic enim forsasse alii, instrumentis idoneis instructi, & minus tamen ad prolixas supputationes otiosi, etiam sine ulteriori molestia vel calculo, alterutris fidem & cum caelo congruentiam explorare poterunt; ubi certiores hic facti sunt, quibus diebus maxima inter utrumque, calculum sit differentia, tam in loco ipso longitud. & latitud. ad meridiem posito, quam motu utriusque, diurno. Fit enim, ut saepe differentia sit nulla vel exigua, praecipue circa quadraturas, oppositiones & conjunctiones: saepe maxima, praecipue circa quadrantes medios seu octantes, ut ex Aspectuum Lunarium temporibus patet: unde coincidens utriusque calculi convenientia, omnem, & observationem, & operationem reliquam ex Tabulis exacte ad observationis tempus institutionem frustraretur.

Nodi Lu-

Nodi Lunaris locum triplicem, unius quidem *Æquabilis* aequalem, reliqui verò duplici veri inaequalem retrocessum, quòd porro ex Tabulis supputatum asperserim, fecit partim pagina ex istà parte permittens spatium, partim ut differentia veri Tychonici Tuiq; ab *Æquabilis*, necessariò propter Astrologos, ad finem positi, loco pareret, ex diversâ istius prosthapharesi oriens: Per verum autem Nodi locum, tecum ex Ephemer. Introduct. pag. 8. intelligo eum, in quo Luna centrum, spectanti velut ex terra centro, sub Eclipticam venit, cujus etiam supputationem ibi tanquam minùs necessariam omisisse Te scribis: nec tamen Braheanam libratilem ab Origano ad plures annos supputatam rejiciò.

Calculi insuper totius, hujusq; partium precipuarum exemplar ad Ephemeridis initium extare volui, pro primo Anni hujus tam veteris Juliani, quam novi Gregoriani meridie, eòq; equali Uraniburgico, ad alia loca data ex Catal. Locorum reducendo. Hunc enim in supputandis motibus tecum observare volui, debui: licet quoad Aspectuum tempus iidem aequale, & Argentinensium Meridiano certas ob causas accommodatum, semper 17. minuta hora addenda veniant.

Aspectus quod attinet, tum Planetarum inter se & cum Sole, tum hujus cum Lunâ, non veteres tantum, sed novos etiam tuos precipuos adhibere placuit, ut in dependente tempestatum judicio, quid possint, quid valeant, tuo exemplo & consilio probei judiciosus Meteorologus. Lunares reliquos cum Planetis (exceptâ synodo juxta utrumq; calculum) ut potè nimis multos, minùs efficaces omisi, propter folii angustiam, imprimis cum ex Origano (parvâ intercedente differentiâ) vel ex his etiam non difficulter colligantur.

Quod superest, Eclipsium hujus anni trium examen consultò jam omisi: quippe nec nobis apparebit ulla, & singulæ juxta Tychonem ab Origano, quantum hic opus, descripta. Equidem ut harum, ita reliquorum motuum omnium descriptionem exactiorem artificii & Magistro Tibi meritò relinquo.

Et hac sunt, qua ad Te, Tychonem alterum, de præsenti meo & statu & instituto, in omnem eventum praefari placuit, plura brevi (spero) vel literis vel coràm de his & aliis collocuturo. Interim hac aquo & benevolò animo legas, si vacat, studia mea quantulacunq; fovcas, & ut antea, ita possis favere pergas, qui plurimum & salvere & valere Te jubet

Jac. Bartschio Authori.



Ad Benivolum, Candidumq; LECTOREM.



Ausas hujus meæ & descriptionis, & inscriptionis sufficienter expositas arbitror: nunc etiam eâ, quâ fieri poterit perspicuitate ac brevitate, monendus est artus hujus studiosus Lector, quò non tantùm nova hujus dispositionis ordinem, sed & compendiosam utendi methodum rectius calleat.

Quòd enim primò dispositionem motuum spectat, hanc ita sequor, ut interim aliorum alias nec improbatas, nec turbatas velim. Intelligis ipse Lector benivole, propter geminatum Lunarem calculum, & propter exactiorem motuum in secundis determinationem, novâ tamen notationu formâ abbreviatam, vix eligi potuisse aliam, nisi vel folia duplicari contra commodum, vel quædam omitti contra usum necessarium voluisssem.

Ante igitur, quàm usum breviter subjungam, singularum columellarum sive cellarum, tam sinistrae paginae Luninaribus, quàm dextra Planetis tributa, contenta ordine describam, ex quibus in rectius etiam atque facilius percipietur, præsertim si tituli ubiq; supra, infra vel juxta positi, & singulari paginâ seorsim explicati adhibeantur in consilium.

In I. enim sinistra pagina cellâ Dierum Mensis supra scripti, prior numerus est dierum juxta Calendarium vetus, passim adhuc usitatum: posterior est juxta novum. Interpositum autem signum ☉ notat diem Solis seu Dominicam, septimana cujuslibet initium.

In II. columellâ ☉ habetur locus (sive potius transitus) Solis ad singulos Mensis dies in latere positos. Ubi primus numerus notat gradus, medius minuta prima, tertius secunda, eaq; singula sumenda, prout ponuntur. Signum extat supra vel infra: in medio, ubi ex uno in alterum signum transit, ipsum ponitur, omisso gradu, qui plerunq; est 0, ut ex sequenti diei cum precedenti collatione per se patet.

In III. Aspectuum cellâ habentur tam Configurationes Solis cum 5. Planetis reliquis: quàm Conjunctiones seu congressus Lune cum isdem, juxta duplicem Tycho & Kepl. calculum, quod notatur primis literis T & K. In Aspectibus Solaribus præter veteres, adhibiti etiam novi pleriq;: Cum Mercurio quidem, Vigintilis & Quindecilis: Cum Venere autem præter 2. istos, Semisextus, Decilus & Semiquadratus: Cum Saturno deniq; 7. Jove ac Marte tantùm Vigintilis, Semisextus, Semiquadratus, Quintilu & Biquintilu, quorum singulorum characteres hic adhibiti & descriptis pag. seq. exhibentur.

Numeri Aspectibus adscripti notant horas & minuta (Argentinensium Meridiano, ut infra subnotatum, respondentia) vel post meridiem istius diei, cui affixus aspectus, si P. aut nihil etiam additum, vel ante meridiem ejusdem diei, si A vel AM adscriptum.

In hac columellâ etiam habetur tempus in horis & minutis diei sui, quo Luna sit apogæa vel perigæa. In sequentibus 4. Columellis D habetur motus Lunaris, juxta duplicem diversarum hypothesis TYCHO & KEPL. calculum, id quod etiam literis suis supra scriptis notatur: Longitudo quidem in 2. prioribus, latitudo verò in 2. posterioribus.

In IV. enim columellâ, priora longitudinis D Tychonice, ponuntur primò signa Luna, deinde gradus, post minuta prima, tandem secunda, non quid in singula sumenda, vel tot tantùm, quot unitates apposite: sed toties sex sive sena semper, juxta modum in Characterum explicatione traditum.

In V. verò, priora longitudinis D Keplerianæ, exprimuntur Lune minuta itidem prima, & secunda sena: omisu ob chartæ angustiam signis & gradibus: quippe cum Tychonice fere semper convenient, & ex laterali aspectu facile patent.

In VI. cel-

A D L E C T O R E M.

In VI. cellâ, posteriore Tychonicâ, latitudinis Lunæ juxta Tycho. ponitur plaga sive distantia versus alterutrum polum; Septentrionalis scilicet versus nostrum boreum, Meridionalis versus alterum: Ascendens, si scilicet hæc decrescit, illa crescit; Descendens contra, quod primis ubiq; literis S. M. A. D. prenotatur. Post plaga literas sunt gradus latitudinis, post minuta, tandem (ut alias semper) minuti decima, seu secunda sena.

Ubi simul notandum, quòd quando A vel D solùm ponitur, Latitudo Lunæ maxima, plagam prius binis literis notatam sequens, circiter illum diem, ante vel post contingat: sicq; plagâ manente priore, incrementum latitudinis mutetur. Quando autem binæ literæ ponuntur, Latitudo Lunæ nulla est, sive Eclipticam transit Luna, circiter illum diem, sicq; plaga mutatur juxta literas adscriptas. Tempus etiam utriusq; speciale inferius adnotatum inveniet Astrophilus.

In VII. & posteriore Keplerianâ, latitudinis Lunæ juxta Kepl. expressè ponuntur itidem minuta tantùm, prima scilicet ac secunda sena, omisâ plagâ & gradibus, tanquam ex Tychonico calculo mutandis. Ut enim hoc clariùs explicem, in utroq; calculo Lunari, gradus tam longitudinis cum signo, quàm latitudinis cum plagâ, ferè semper conveniunt. Rarissimus enim est casus, ut Luna alterutrius calculi sit in fine præcedentis signi aut plage, alterius verò in sequentis initio: qui tamen, si alicubi occurrerit, facile ex differentiarum inspectione dignoscetur. Sæpiùs in gradu & minutis aliqua contingit differentia, quæ ut in longitudine 12. in latitudine 4. minuta nunquam attingit, ita ad duos duntaxat casus reducitur: de quorum usu recto sub finem cautiones eorundem facillimè notanda.

Infra Lunæ motum habetur ejus Latitudo maxima, seu limes boreus austrinusve, alterutrum polum versus, & simul tempus in horis atq; minutis, quando Luna terminum istum modò minus, modò magis ab Eclipticâ distantem ad dies suos appositos attingit. Eam omninò sine erroris motu negligi non posse facile credet, qui ad intermedium aliquod diei tempus, circa limites constituta Luna latitudinem in minutis exactam colligere hinc voluerit. Sine hoc enim maxima latitudinis termino limiteve cognito, minororù aliquot error vix, aut certè casu evitabitur.

In VIII. Phasium ☽ columellâ continentur Aspectus Lunares cum Sole, ubi præter veteres etiam novorum Semisextum & Quadrosextum (qui etiam Quincunx dicitur) posui, ut ita singulorum signorum distantis unus competeret. Tempus autem configurationum istarum Solis - Lunarium juxta calculum duplicem, duplici iidem labore supputatum apponere non redivit, ut ita etiam Tychonici & Kepleriani calculi differentia, quantam in tempus phenomenon Lunarium importet differentiam, præcisci queat.

Deniq; in ultimis tribus sinistra paginæ columellis habetur motus Nodi Lunaris ascendentis, sive (ut vulgò vocant) capitis draconis: & quidem in 2. prioribus (antepenultimâ & penultimâ paginâ) verus Nodi locus, tanquam è terrâ visus aut videndus, juxta duplicem Tycho. & Kepl. prosthaphæresin, in tertiâ verò & ultimâ æquabilis, tribus ferè minutis semper retrocedens æquabiliter. Hic sanè cum aliorum Ephemeridibus conveniens, propter Astrologicos potissimum usus, & ultimo loco, & clariùs in grad. minut. & secundis senis positus: Ille verò duplex Astronomis tantùm quasi superponendi loco datus, & propterea contractius signatus. Gradus enim cum signo supra ponuntur, in cellulis minuta prima & horum decima, nisi quòd intermediis locis, quando gradus mutaneur, prior numerus gradum, posterior minuta prima notat.

Infra Nodum Lunæ habetur etiam ejus Latitudo nulla, seu transitus per Eclipticam, & simul etiam tempus in diebus, horis & minutis, quando Luna vel Capiti, vel cauda draconis juncta, centro suo Eclipticam occupat, sicq; ex unâ plagâ in alteram transit. Eam quidem minus necessariam, aut facile colligendam scio: juxta latitudinem tamen maximam apponere eam, spatium ibi vacuum justit.

Porro in primâ dextra pagina cellula iterum ponuntur mensis dies, juxta stylum Liliæ novorum, cum Dominica signo ☉.

In ultimâ verò, Planetarum præcipuè Aspectus & Configurationes inter se, ad horas & minuta dierum, quibus adscripti, ponuntur, non tantùm veteres, sed etiam recentiores. Ubi A iridem notat Ante, P. Post meridiem, vel etiam, ubi nec A. nec P. expressè ponitur.

P R Æ F A T I O

In hac eadem cellâ suâ locis exprimitur, tum quando quilibet Planeta vel Orientalis vel Occidentalis post ejus cum Sole vel conjunctionem, vel oppositionem; quando Directus aut Retrogradus; quando in motu velocissimus aut tardissimus; sive Stationarius: tum deniq, quibus diebus, horis ac minutis Sol singula Zodiaci signa non-stellata ingrediatur.

In reliquis 10. intermediis cellis, Planetarum 5. motus habentur: priori quidem loco semper longitudo, in gradibus, minutis & secundis senis, signo supra vel infra posito: (exceptis Venere & Mercurio, in quibus velocissimus unum etiam in medio intercipitur) posteriori autem loco semper latitudo in gradibus supra & infra, minutis in cellâ ipsâ positis: (exceptis itidem Venere & Mercurio, in quarum latitudine etiam gradus in ipsi cellis exprimentur.

Ubi notandum, quod ubi motus Planeta parum crescit aut decrescit, Gradus non semper repetiti, intelligantur isti, qui inter omnes bis ponuntur, ad initium scilicet finemq, Deinde in Planetarum titulo supra & infra D. notat Planetam Directum, qui secundum signorum seriem movetur: R. Ret. Retrogradum, qui contra signorum successiones: St. Stationarium, qui videtur subsistere eodem cali loco: Or. Orientalem, qui Solem precedit: Occ. qui eum sequitur, Occidentalem: S. Septentrionalem latitudinem, M. Meridionalem, A. Ascendentem, D. Descendentem, ut aliâs etiam notatum.

Et tantum de dispositione, singulisque cellis.

Sequitur Usus paucis declarandus. Ut autem in genere omnis, ita & hujus Ephemeridis usus est iste: Planetarum scilicet singularum, præcipue Luminarium Soli & Luna, deinde quinq, reliquorum, Saturni, Jovis, Martis, Veneris & Mercurii, motum proprium, in longum & latum Eclipticæ, ad dies anni singulos, in certis Zodiaci aut Eclipticæ partibus, puta signis gradibus & minutis describere ita, ut non tantum vera eorum loca ad quodvis tempus supputari & sciri, sed ad tempestatum quoq, aliorumq, effectuum judicium, configurationes, aliâq, affectiones præcognosci & prædici queant. Ad quod sanè perficiendum, si non Logistica Astronomice, aut nova Logarithmica, saltem vulgaris Arithmetica exacta, & Astronomicarum hypotesium cognitio præsupponitur: quæ fusiùs jam declarare, nec loci nec propositi hujus esse patet.

Quapropter, ut paucis rem expediam, motus caelestes ex hac Ephemeride aut queruntur crasse, puta in signis & gradibus tantum: aut supputari debent vel exactè, vel exactissimè, puta in minutis etiam.

Si minùs exactè gradus tantum petuntur, tunc sufficit singulorum Planetarum loca desumere, prout ad propositi temporis meridiem, sed proximiorum in Ephemeride ponuntur. Annus enim, qui hic semper est 1929. & mensis supra in fronte utrobq, patet: mensis dies in latere sinistro descendunt, quibus è regione in area motus & loca singulorum Planetarum secundum long. & lat. respondentibus adscribuntur ordine, modoq, in præcedentibus cellis singulatim declarato. Ubi tamen notandum, quod ultimus secundorum numerus semper hoc in casu, medius autem tunc rejici possit, cum pauciora quàm 30. contineat: Si enim plura, quàm 30. (dimidium scilicet gradum excedentia minuta) fuerint, unus gradus appositus erit addendus: sicq, signum & gradum, quem Planeta quilibet quolibet tempore occupat, crasso, facili tamen modo inveniet minùs etiam exercitatus.

Si verò exactiùs agendo etiam minuta desiderantur prima, exactiùs etiam procedendum, quod breviter sic jubeo. Primò singulorum ordine Planetarum: motus diurnus inquiretur, qui est differentia motus Planeta ab uno meridie, scilicet tempus datum precedente, in alterum, scil. sequentem, & produciuntur, si minor è majore subtrahitur. Deinde pro singulis etiam ordine Planetis, juxta Regulam de Tri, Proportionum dictam, sic procedatur, ut tempus tuum post meridiem datum, aut Astronomicum factum (scilicet ex antemeridiano, à diebus subtracto uno, & ad horas additis 12.) per motum diurnum antea inventum multiplicetur: factum verò per 24. horas aut 1440. min. (quæ diem naturalem constituunt) dividatur: Quotus erit pars proportionalis, competens tempori tuo dato. Tandem hæc precedentis diei motui addatur, in Sole & Luna semper; in reliquis Planetis addatur etiam, si Directi fuerint; subtrahatur, si Retrogradi: & emergit verus Planeta locus in gradibus & minutis, licet non exactissimè. Compendiolum quoddam præceptis suis explicatum hæc ad rem inveniet Lector, in Usa

in Usu Planisphaerii mei Stellati sive Vice - Globi caelestis ante quadriennium Argentina id id. Ubi tamen & hoc propter secunda ultimo semper numero notata monendum, si nimirum non aded exacte minuta querantur, sine damno aut errore secunda 1. 2. 3. 4. vel etiam 5. sena, tanquam dimidio minuto pauciora rejici: reliqua verò 6. 7. 8. 9. tanquam dimidio plura, ita retineri posse, ut prior numerus minorum uno augeatur: id quod aliàs à me sic fieri debuisset, si aliorum exemplo secunda prorsus omittere voluissem.

Circa Lunam insuper notanda haec cautio, quod juxta Tychonicam quidem calculum, in propria cella expressè ponatur, tam longitudinis signum, quam latitudinis plaga, utriusq; gradibus, minutis, primis, & secundis senis semper additis: juxta Keplerianum verò propter charta angustiam singula expressè non repetuntur, sed tantum minuta & horum decima, signo & gradibus à Tych. mutuandis, siquidem plerumq; conveniunt: exceptis duobus casibus, quibus totidem cautiones occurrunt & medemur.

Vel enim 1. locus Kepleri ex adjunctis diebus colligitur minor, & ad propositum diem pluribus quàm 49. minutis constat: (quotquot secunda fuerint) Tych. contra pauciora habet quàm 11. min. & tunc à Tychonis gradibus 1. subtrahendus pro Kepl. Hujus exemplum est 5. & 6. Februar. ubi Luna Kepl. est hic quidem in 26 gr. 54. mi. illic in 11 gr. 50. mi. Cancr. Sic 4. Martii Luna est in 6 gr. 53. min. Cancr. 6. Mart. in 5 gr. 50. min. Leonis, & c.

Vel 2. locus Kepl. ex proximis diebus colligitur major, & ad datum diem pauciora quàm 11. habet minuta (quotquot iterum secunda fuerint) Tych. contra pluribus quàm 49. min. constat: & tunc Tych gradibus 1. addendus pro Kepl. Hujus exemplum est 10. & 12. Januar. Illic enim Luna Kepl. in 4 gr. 4. m. Leonis hic in 4 gr. 1. mi. Virg. Sic 26. Febr. Luna Kepl. est in 16 gr. 15. m. 27. seq. in 29 gr. 5. m. Arietis, & c. Rationem utriusq; facile percipiet, qui Lunam in uno, praecedenti gradus minorum finem (post 49. min.) in altero, sequenti gradus initium (ante 11. minut.) semper occupare expendet.

Eadem omnino est ratio in latitudine, nisi quod differentia minor rayò 3. minuta excedat: ideoq; variis similis casus occurrat. Occurrens autem facillimè ex modò dictis judicatur, si modò res ipsa, casusq; ratio semel intelligatur. E. g. Luna quoad latitud. Kepl. est in 0 gr. 59. 8. die 21. Januar. Contra 28. ejusd. est in 5. gr. 0. min. 5. sec. senis seu 30. singulis, & c.

Tandem si exactissimè Planetarum loca, ad propositum aliquod temporis civilis momentum inquirenda, exactissimè etiam singula peragenda, juxta rei calculiq; exigentiam: quem in finem aliqua, partim de motibus ipsis excerptis & supputandis, partim de tempore apparente seu civili per Aequationem & Reductionem comparando, partim deniq; de aspectibus, horumq; tempore Lectorem scrupulosum monere opus est.

Primo motus quod aetinet, exactiore novà secundorum seniorum notatione expressos, sciant Logistica asseri, consultius esse, ut antequam compendii inibent quarendis, numerum secundorum fractionis indicem, ad integrum reducant, quod facillimè fiet eum per 6 multiplicandis, & postmodum in motus diurni & partis proportionalis inquisitione, vel secundum Proportionum Regulam, ope etiam Canonis Sexagenarii, vel per Tabulam motus diurni proportionalem passim obviam, vel per novam Logarithmicam Logisticam operentur, prout opus esse norunt. Unde ex parte proportionali addita vel subtracta exactiore, exactissimum sanè habebunt Planeta motum, quantum Ephemeris vel Tabula permittunt, ad tempus scilicet datum, prius tamen Aequatum & Reductum, ex seqq.

Exempla hic coacervare, aut praecepta dilatare super sedeo: siquidem qui voluerit, clariùs si sicutq; ea juxta novam Logisticam Logarithmicam Heptacosiadis ope ex Tab. Rudolph. Cap. V. praeceptis, juxta veterem verò addiscent ex aliis, praecipue ex Cl. Origanis Ephemer. Introductione aut Thematographia, vel etiam ex supra dicto Planisphaerii mei stellati Usu. Compendiola hic non deficientia, in exercitanti ex difficili eorum descriptione vix, exercitanti verò ex una atq; altera operatione ipsi addiscent.

Quod secundo Temporis preparationem spectat, Civile illud seu Apparens (prout tempore datur aut proponitur) sive pomeridianum, sive ex aequinoctio Astronomicum factum, Aequandum est, & Reducendum ad eum Meridianum, si ab Uraniburgico Tabularum & hujus Ephemeridum proprio, differt. Rationes utriusq; norunt Astrophili, aut fuse expositas dictis locis apud Origanum & Kepleram legere possunt. Quapropter

PRÆFATIO AD LECTOREM.

propter modum ego tantum pro hac Ephemeride dicam, tempus aquandi & reducendi, quod ultimatum duarum Tabularum beneficio peragitur.

In harum enim priore, Equationis temporis sive dierum dicta, continetur Equationo triplex: 1. Tychoonis empirica & universalis. 2. Astronomorum Demonstrativa, & 3. Kepleri Physica, denotans tempus pro equatione vel subtrahendum vel addendum temporis apparenti, juxta literas Ad. vel Su. adjunctas. Cum loco enim Solis vero in fronte quoad signum, & in latere quoad gradum posito, sit ingressus, & in area respondens signo & gradui excerptur aquatio, ut dictum, triplex.

In posteriore, Catalogo locorum, dicta ponuntur civitates precipue precipuarum Regionum, quæ præter latitudinem, ex Kepl. Catalogo desumptam (exceptis VI. patria civitatibus, quarum latitudinem ex mappa Lusatia nostra, à Barthol. Sculteto Görl. Conf. edita, Dresdensis respectu deprovisi) continent Meridiani sui differentiam in tempus conversam, respectu tam Argentinenfis, quoad Aspectus (in cella, cui Ar. appositum) quam Uraniburgici quoad motus (in cella, cui Ur. suprapositum) vel add. vel subtrahendam, prout tituli A vel S voluerint.

Equatio igitur ut perficiatur, Tabula Equationis jam dicta consulatur, & tempus equationis, loco vero Solis respondens, excerptur vel una, quacunque placuerit certior, vel omnes cum suis titulis exscribantur: & modo titulis contrario, (contrario inquam) temporis dato vel subtrahantur, si scilicet Ad. vel addantur, si Su. adscriptum fuerit, & habetur tempus rectè æquatum, eo nempe modo, quem Equationo signat.

Reductio autem ut perficiatur, Catalogus locorum jam dictus consulatur, & vel datus vel dato vicinus in regione data locus queratur, & tempus in cella posteriore positum (cui Ur. Uraniburgicum notans Meridianum) temporis antea æquato vel addatur vel subtrahatur, prout tituli A. vel S. voluerint: & sic etiam habebitur tempus Reductum & Æquatum, debito modo ad calculum præparatum, juxta quod exactissime Planetarum loca ex hac Ephemeride inquiri possunt, supputari debent.

Quod reliquum est, Aspectus omnes & singuli hujus Ephemeridis (ut & reliquum partium insertorum phenomenon tempus) respiciunt Meridianum Argentinensem, ut ex sæpius dictis patet, ejusque medium seu æquale tempus. Igitur si tempus istud Argentinenfe, Argentinenfis etiam desiderat apparens, equatione vel addita vel subtrahita, prius in id commutandum est ex Tabula Equationis Dierum civilium modo dicta. Quod autem medium seu æquatum tempus Aspectuum retinere malui, in causa est, quod quibus non exactè agendum, medium sufficere puto: sin exactius idem sciendum, melius ex ipsa Tabula commutatur juxta modum, quicunque in tres istos (quorum singulorum rationes à Keplero in Tab. Rudolph. c. 15. expositæ legi possunt) placuerit. Tria enim apparentia tempora uni aspectui adscribere, confusionem: unum vel alterum tantum ponere, negligentiam arguisset.

Tempus itaque Aspectuum medium pro Argentina in Apparens commutaturus, iterum adeat Tabulam Equationis, & juxta unum istorum modorum, vel omnes, temporis in Ephemeride posito addat vel subtrahat equationem sui subscriptam titulis, prout litera Ad. vel Su. innuunt.

Quia verò tempus istud vel medium vel apparens factum Argentinenfe, alii vel Orientalioribus, vel Occidentalioribus locis non convenit (quemadmodum nec Uraniburgo Tychonico pro quo 17. min. semper addenda) si ad illa tempus justum scire quis desideret, tunc prius reducendum est ad istum Meridianum. Tempus enim reductionis in cella priore, (cui Ar. Argentinensem notans Meridianum) loco vel dato vel viciniori invento respondens, temporis vel medio vel apparenti antea invento addatur vel subtrahatur, prout cellula dictæ prioris titulus additus voluerit, & habebitur tempus in loco tuo dato vel medium vel apparens factum.

Tantum est, Lector benivole, de quo monendus eras, ut ita dispositioni ordinis, atque utendi methodi certior ex dubiis, si qua occurrant, Te facilius expedias.

Tu jam, si CANDIDUS es, proba, judica:
Si placet, proba, fave, plura expecta.
Si niger es Momus, relinque, meliora substituens.

JACO.

JACOBI BARTSCHI

Philo-Mathematici

EPHEMERIS NOVA

Tabularum Rudolphinarum

TYCHONICO-KEPLERIANA,

ANNI, qui est

A Nativitate JESU CHRISTI, Domini

& Servatoris nostri,

M. DC. XXIX.

Ab intercalatione Dionysianâ 1.
Ab ordinatione primâ Julianâ 1674.
Ab emendatione Gregorianâ 47.
Ab astrorum creatione Keplerianâ 5622.

AD MERIDIANUM

URANIBURGICUM Insula HUENÆ,

quoad motuum momenta;

STRASBURGICUM ALSATIÆ,

4. gr. 15. min. occidentaliorem;

quoad Aspectuum tempora

DIRECTE:

Ad alium reductivè

juxta Introductionem adjectam,

facile usurpanda.

NOTÆ vulgares ANNI hujus

	G	Litera Dominicalis	D	
In stylo	XV	Aureus numerus	XV	In Calenda-
veteri	XIV	Cyclus Solaris	XIV	rio refor-
Juliano	XII	Indictio Romana	XII	mato
	V	Epactæ	XV	

C

EPOCHÆ

E P O C H Æ, seu Radices mediorum M O T U M cœle-
stium, juxta hypotheses TYCHONICO-KEPLER-
RIANAS NOVAS,

EX NOVIS TABULIS RUDOLPHINIS æquat.

*Ad URANIBURGI Brabeani Longitudinem, & Meridiem,
hujus M. DC. XXIX. anni primum, Gregorian. qui ju-
xta vet. Styl. 1628. anni Decembr. 21.*

☉ SOLIS	Sig. o / //	☾ LUNÆ	TYCHON.	KEPLER.
Motus med. longitud.	9. 11. 16. 41	Æquat. pars compet.	S 2. 26. 35	
Mot. med. Apogæi	3. 6. 12. 52	Particula exfors	A 0. 47	
Anomalia media	6. 5. 3. 49	Æquatio menstrua	S 2. 23. 26	
Anomal. cœquata	6. 5. 14. 59	Elong. ☽ à ☉ correct.	2. 14. 48. 51	
Intervall. dist. à terr.	98210	Variatio motûs	A 20. 28	A 25. 53
LUNÆ	Sig. o / //	Æquat. lum. compos.	S 2. 2. 58	S 1. 57. 33
Mot. medius longit.	0. 3. 26. 11	Nodus ascend.	3. 10. 47. 51	
Apogæi med. locus	9. 17. 59. 6	Distant. ☉ à ☽	6. 0. 40. 0	
Anomalia media	2. 15. 27. 5	Dist. ☽ Eccen. à ☽	8. 15. 49. 19	8. 15. 54. 44
Anomalia cœquat.	2. 10. 41. 2	Prosthaphær. ☽	S 0. 2. 19	S 0 0
Anomalia Eccentri	2. 13. 3. 41	Latitud. ☽ simpl.	M 4. 50. 47	M 4. 50. 57
Argument. annuum	11. 23. 28. 45	Augment. ang. sol.	18. 0	
Argument. menstruum	2. 19. 34. 56	Reduct. ad Ecclipt.	S 3. 30	S 3. 29

Reliqu. PLANET.	♃	♄	♅	♆	♁
Loc. d. ab Æquin. æq.	5. 10. 41. 12	9. 20. 4. 39	3. 21. 40. 23	5. 11. 47. 41	3. 28. 41. 41
Aphelium seu Aux	8. 25. 32. 52	3. 7. 14. 1	4. 29. 31. 7	10. 1. 50. 45	3. 13. 38. 40
Anomalia media	9. 15. 8. 20	3. 12. 50. 38	3. 22. 9. 16	7. 9. 56. 56	7. 15. 3. 1
Anomalia cœquata	9. 21. 19. 7	3. 7. 23. 25	3. 11. 55. 41	7. 10. 27. 45	8. 5. 27. 55
Anomalia Eccentri	7. 18. 13. 38	3. 10. 7. 22	3. 17. 4. 41	7. 10. 12. 33	7. 24. 54. 23
Æquatio Eccentrica	A 6. 10. 47	S 5. 27. 9	5. 10. 13. 35	A 0. 30. 45	A 20. 24. 54
Intervall. dist. à ☉	967946	515593	148206	72030	34120
Proport. intervall. Log.	228713	165822	41131	31172	106445
Nodus ascendens	3. 21. 33. 18	3. 5. 27. 30	1. 17. 3. 4	2. 13. 22. 40	1. 13. 5. 8
Argument. latitud.	2. 25. 18. 41	5. 9. 9. 54	5. 24. 23. 44	2. 28. 55. 50	3. 6. 1. 27
Inclinatio	2. 31. 30	0. 12. 35	0. 45. 36	3. 21. 58	6. 51. 43
Reduct. ad Ecclipt.	S 0. 17	S 0. 10	S 0. 41	S 0. 8	A 2. 36
Anomal. commutation.	2. 24. 36. 90	0. 3. 9. 29	1. 0. 1. 44	3. 29. 9. 29	4. 22. 18. 40
Parallaxis orbis	A 5. 43. 10	S 0. 30. 19	A 11. 54. 4	0. 44. 49. 39	16. 8. 21
Elongatio à ☉	2. 18. 52. 59	0. 2. 39. 10	0. 18. 7. 40	Eadem S.	S. Eadem

Eadem

Eadem ad eundem loci Tychonici Meridianum, sed diversum temporis posterioris Meridiem: scilicet

Ad Anni 1628. completi finem, & 1629. currentis initium, Kalendis Januarii notatum, juxta styl. vet. Argentinae usitat.

Quod est juxta completum Tabularum Rudolphinarum tempus, Ann. 1627. Novembr. 21. juxta nov. currentis 1628. Januar. 11.

☉ SOLIS	Sig. o / //	☾ LUNÆ.	TYCHON.	KEPLER.
Motus med. ab Æqu. æqu.	9. 21. 8. 5	Æquat. pars comper.	A 1. 2. 37	
Motus med. Apogæi	3. 6. 12. 54	Particula exfors	A 0. 19	
Anomalia media	6. 14. 55. 11	Æquatio mensura	A 1. 8. 0	
Anomal. coæquata	6. 15. 27. 43	Elong. à ☉ correct.	6. 26. 57. 59	
Intervall. dist. à terr.	98262	Variatio motus	A 32. 44	A 41. 25
LUNÆ	Sig. o / //	Æquat. lum. compos.	A 1. 40. 44	A 1. 49. 25
Longitud. ab Æquin. æquab.	4. 15. 12. 2	Nodus ascend.	3. 10. 16. 5	
Apogæum	9. 19. 5. 57	Distant. ☉ ab ☾	6. 11. 24. 31	
Anomalia media	6. 26. 6. 5	Dist. ☽ Eccen. à ☉	1. 8. 55. 14	I. 9. 3. 55
Anomal. coæquat.	6. 28. 24. 38	Prosthaphær. ☽	S 0. 37. 45	S 0. 5. 40
Anomal. Eccentri	6. 27. 16. 29	Latitud. ☽ simpl.	B 3. 5. 46	B 3. 8. 33
Argument. annuum	0. 2. 34. 39	Augmen. ang. solut.	17. 18	
Argumen. menstruum	6. 24. 41. 50	Reduct. ad Eclipt.	S 7. 18	S 7. 12

Reliqu. PLANET.	♄	♃	♂	♀	♁
Longitud. ab Æquin. æqu.	6. 11. 1. 17	9. 20. 54. 32	8. 26. 54. 50	5. 27. 48. 59	5. 9. 37. 6
Aphelium seu apog.	8. 25. 32. 54	6. 7. 14. 2	4. 29. 31. 9	10. 1. 50. 47	8. 13. 38. 43
Anomalia media	9. 15. 28. 23	3. 13. 40. 30	3. 27. 23. 41	7. 25. 58. 12	8. 25. 58. 23
Anomalia coæquata	9. 21. 38. 23	3. 8. 14. 6	3. 17. 29. 21	7. 26. 37. 52	8. 19. 43. 44
Anomalia Eccentri	9. 18. 33. 41	3. 10. 57. 14	3. 22. 28. 23	7. 26. 18. 9	9. 7. 53. 18
Æquatio Eccentrica	A 6. 10. 0	S 5. 26. 24	S 9. 54. 20	A 0. 39. 40	A 23. 45. 21
Intervall. dist. à ☉	968242	515231	146952	72134	39925
Prop. int. Logarithm.	228686	165692	40201	31073	90363
Nodus ascendens	3. 21. 33. 19	3. 5. 27. 36	1. 17. 3. 5	2. 13. 22. 41	1. 13. 5. 10
Argument. latitud.	2. 25. 37. 59	6. 10. 0. 32	6. 29. 57. 25	3. 15. 5. 58	4. 20. 17. 17
Inclinatio	2. 31. 34	0. 13. 48	0. 55. 11	3. 15. 1	4. 24. 31
Reduct. ad Eclipt.	S 0. 16	S 0. 10	S 0. 47	A 0. 45	A 12. 18
Angulus commutat.	3. 4. 29. 36	0. 6. 12. 39	1. 4. 40. 54	3. 23. 10. 29	3. 18. 4. 52
Prosthaphæresis orbis	A 5. 49. 49	A 0. 59. 37	A 13. 47. 49	1. 13. 26. 13	23. 46. 20
Elongatio à ☉	2. 28. 39. 47	0. 5. 13. 2	0. 20. 5. 5	S. Eadem	S. Eadem

Januar.

MOTUS LUMINARIUM correct.

Anno 1629.

Vet.	Styl. Nov.	Loc. ver.	Cum 5. Plan. Aspect. ☉ & Conjunct. ☿	D longitudo. D latitudo.				D Phases seu Aspect cum ☉	Locus Ω		
				juxta hypotheses & calculum					Tych. Kep.	Tych. Kep.	Equabilis
				Tych.	Kep.	Tych.	Kep.				
	Dies	o / //	Asp. Hor. Mi.	sig. o / //	Pl. o / //	Alp. Ho. Mi.	10. Gr.	10. Gr.	☉		
22	11.27.51	Sq. ☉ & plat.	26.33.7	39.1	M. 5.8.28.4	14 K	50. 2	47. 8	10.47.8		
Dec.	2 12.29.10	Vig. ☉ & 8.27	9.13.3	15.6	D. 5.17.9 17.9	□ 6. 15 T	50. 7	44. 7	44.4		
24	3 13.30.28		22.13.7	10.4	A. 5.11.8 11.6		51. 2	41. 6	41.5		
25	4 14.31.46	☿ ☉ 8.40	5.38.1	30.9	4.48.8 48.6		51. 7	38. 6	38.3		
26	5 15.33.3		19.29.3	19.1	4.8.7 8. 3	Δ 4. 21 A	52. 2	35. 7	35.1		
27	6 16.34.20		3.46.7	36.4	3.12.0 11.4	37 K	6	32. 9	32.0		
28	7 17.35.36		18.30.0	21.0	2.1.3 0. 1	QC. 10. 8 A	52. 9	30. 2	28.8		
29	8 18.36.52		3.32.0	26.8	0.40.8 38.9	24 K	53. 2	27. 8	25.6		
30	9 9.38.7	D perigz.	18.45.5	14.8	5.0.43 5 46.1	☽ 1.12 T	5	25. 6	22.4		
31	10 20.39.2	(A.M. 11.47)	3.59.4	4. 2	A 2.4.9 3 8	Eclisp. (13.K)	7	22. 5	19.2		
Jan.	11 21.40.30		19.4.0	12.8	3.17.1 19.4	QC. 4. 16 T	8	21. 8	16.1		
2	12 22.41.50	☉ ☿ 8 19	3.50.1	11. 3	4.13.4 15.8	4.0 K	53. 9	20. 2	12.9		
3	13 23.43.3		18.11.7	22.2	4.52.6 54.2	Δ 10.59. T	54. 0	19. 0	9.7		
4	14 24.44.16		2.6.4	14.3	5.13.2 13.8	43 K		17. 9	6.6		
5	15 25.45.28	1.42 K	15.32.9	36.9	5.15.7 15.3	7 K		17. 1	3.4		
6	16 26.46.4	☿ ☽ 1.44 A	28.34.0	33.5	5.1.6 0. 6	□ 8. 8 A	54. 0	16. 6	10. 0.3		
7	17 27.47.51		11.12.1	7. 2	4.33.3 31.8	22 K	53. 9		39. 57.0		
8	18 28.49.1	Qd. ☉ & 11.2 A	23.34.8	26.5	3.52.7 50.9	* 11. 2 T	7	3	53.8		
9	19 29.50.9	2.42 K	5.42.4	31.9	3.2.4 0. 4		5	16. 6	50.7		
10	20 30.51.16	☿ ☽ 2 19 T	17.41.2	30.8	2.4.6 2. 5		53. 2	17. 1	47.5		
11	21 1.52.22	☿ ☽ ☽ ☽	29.34.0	14.5	1.2.0 59.8	SS 4.50 T	52. 7	17. 7	44.3		
12	22 2.53.27	☿ ☽ 15.30 T	11.23.1	16.7	M. 0.2.8 5. 4	5. 10 K	52. 1	18. 3	41.1		
13	23 3.54.31	D apog. (56 K)	23.13.3	9. 6	D 1.7.7 10.1		51. 4	9. 1	38.0		
14	24 4.55.34	6.26 A (P.M.)	5.5.0	5. 6	2.9.0 12.1	☿ 11.21 A	50. 5	20. 1	34.8		
15	25 5.56.37	(☽) ☽ 18.41	17.2.3	6. 0	3.6.1 8. 5	(T.&K.)	49. 6	1. 1	31.6		
16	26 6.57.39	Kep. 18.11	29.4.6	12.3	3.54.7 56.8		48. 6	2. 2	28.4		
17	27 7.58.40	(☽) ☽ 19.48	11.15.5	25.3	4.33.3 4.8	SS 4.40 A	47. 6	23. 3	25.2		
18	28 8.59.40	Kep 20.4	23.36.0	16.9	4.59.7 0. 5	20 K	46. 5	24. 4	22.1		
19	29 10.0.39		6.7.6	17.3	5.12.3 12.5	* 7.40 I	45. 4	25. 5	18.9		
20	30 11.1.37		18.51.9	59.6	A 5.9.9 9. 6	22 K	44. 0	26. 4	15.7		
21	31 12.2.35		1.52.2	56.1	4.51.7 51.1		42. 4	27. 19	12.5		
Vet. Nov.	o / //	Pro Uranburg.	Lat. D.2 H.0.6	M.5.gr.18/0//	Latit.	Di. Ho. Mi.					
Dies	☿	Meridiano	D.15 H.3 A	S.5.gr.16/7//	D	☿ Ω 8. 11. 20 P					
Januar.	☉	temp. Ad. 17	max D.29 H.4.52	M.5.gr.13/2//	null.	☿ Ω 22. 10. 41 A					

Januar. Motus 5. PLANETARUM Tychonico-Keplerian. Anno 1629.

St. nov.	♄ D.Or.		♃ D.Or.		♂ D.Or.		♀ D.Or.		♁ R.Or.		Eorundem Configurati- on. & Stat.
	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	
	♄	S. A	♃	M. D	♂	M. D	♀	S. A	♁	S. L	
Di	o / //	2 Gr	o / //	O Gr	o / //	O Gr	o / //	o / //	o / //	o / //	Afp. Hor. Min.
1	23.34.9	29.3	14.7.0	10.6	23.20.2	28.4	26.38.2	2.43.0	25.27.5	3.7.9	♁ elong. max. (fere.)
2	37.8	6	21.1	7	24.4.6	29.0	27.47.2	D.42.2	24.56.0	3.4.3	
3	40.7	29.9	35.2	8	24.49.0	29.6	28.56.4	40.1	25.44.6	2.59.3	♂♂♀ 9.58 A
4	43.5	30.2	14.49.3	10.9	25.33.5	30.3	♄ 5.7	38.8	D.42.4	53.1	(♁ Stat. Dir.)
5	46.3	4	15.3.4	11.0	26.18.0	30.9	1.15.1	37.3	24.49.2	45.9	Sq. ♁♀ 4.35 A
6	49.0	30.7	17.5	12	27.3.6	31.5	2.24.6	35.7	25.0.6	38.0	Vig. ♁♂ 10.38
7	51.6	31.0	31.6	13	27.48.3	32.1	3.34.3	34.0	25.7	29.1	(♁ Oriental.)
8	54.0	2	45.6	14	28.32.0	32.8	4.44.1	32.1	25.54.3	19.7	
9	56.3	5	15.59.6	15	29.17.8	33.4	5.54.1	30.1	26.28.2	11.5	
10	58.6	31.8	16.13.6	16	♂ 2.6	34.0	7.4.2	28.0	27.9.3	2.2.8	
11	23.0.8	32.0	27.6	17	0.47.5	34.6	8.14.4	25.5	27.54.0	1.52.2	Sq. ♁♀ 6.55 A
12	2.9	3	41.6	18	1.32.4	35.2	9.24.7	23.7	28.43.0	41.5	Vig. ♁♂ 10.21 A
13	4.9	6	16.55.6	19	2.17.4	35.8	10.35.1	21.4	29.36.8	32.1	
14	6.7	32.9	17.9.5	20	3.2.4	36.4	11.45.6	19.0	♂ 33.6	22.2	
15	8.4	33.2	23.5	21	3.47.4	37.0	12.56.2	16.6	1.33.8	13.4	
16	10.0	4	37.5	22	4.32.5	37.7	14.7.0	14.1	2.36.3	1.3.8	♁ Elong. max.
17	11.5	33.7	17.51.5	23	5.17.6	38.3	15.17.9	11.5	3.41.1	0.54.2	Qn. ♁♂ 8.29 A
18	12.9	34.0	18.5.5	24	6.2.7	38.9	16.28.8	8.9	4.49.3	44.7	Qn. ♁♂ 7.56 P
19	14.2	3	19.4	25	6.48.5	39.5	17.39.0	6.2	5.59.6	35.5	♁ in ☾ 3.35
20	15.4	6	33.4	26	7.33.1	40.1	18.50.9	3.5	7.11.4	26.5	SS ♁♀ 4.22 A
21	16.5	34.8	18.47.4	27	8.18.4	40.7	20.2.1	2.0.7	8.24.7	17.7	♁♂♂ 6.18 A
22	17.6	35.1	19.1.3	28	9.3.7	41.3	21.13.4	1.57.9	9.39.7	0.9.1	
23	18.5	4	15.2	29	9.49.0	41.9	22.24.7	55.0	10.56.3	S 0.7	
24	19.3	35.7	29.1	30	10.34.4	42.5	23.36.1	52.0	12.14.0	M 7.6	* ♁♀ 6.0 A
25	20.0	36.0	42.9	31	11.19.8	43.1	24.47.5	49.0	13.33.6	D 15.7	
26	20.5	2	9.56.7	32	12.5.3	43.7	25.59.0	45.9	14.54.2	0.23.6	
27	21.0	5	20.10.5	33	12.50.8	44.2	27.10.6	42.8	16.15.9	31.2	
28	21.4	36.8	24.2	34	13.36.3	44.8	28.22.3	39.7	17.38.7	38.5	
29	21.7	37.1	37.9	35	14.21.9	45.4	29.34.1	36.5	19.2.8	45.6	(♁ ♁♂ 7.43
30	St. 21.8	4	20.51.6	36	15.7.5	46.0	♂ 46.0	33.3	20.27.6	52.5	♁ Stat. post Retrograd.
31	23.21.8	37.6	21.5.2	37	15.53.1	46.6	1.58.6	1.30.0	21.53.2	0.59.2	
Januar.	♄	1 //	♃	1 //	♂	1 //	♁	o / //	♁	o / //	Temp. Argen- tin. Meridian. accommodat.
	Di. Or.	2 Gr.	Dir. Or.	O Gr.	Dir. Or.	O Gr.	Dir. Or.	Sepr. Desc.	Dir. Or.	Mer. Desc.	
	♄	S. A	♃	M. D	♂	M. D	♀		♁		

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Februar. Motus LUMINARIUM correct. Anno 1620.

Styl. Vet.	Nov. Zov.	Cum 5. Plan. Aspect. ☉ & Conjunct.)	longitud. D latitud.		Phases seu Aspect cum ☉	Locus ☉				
			juxta hypotheses & calculum				Verus		Aequa- bilis	
			TYCH.	KEP.		TYCH.	KEP.	Tych.		Kep.
Dies	o / //	Asp. Hor. Mi	lg. o / // /	Pla. o / // /	Alp. Ho. Mi	10. Gr.	10. Gr.	☉		
22	1	13.3.32			☐ 7. 35 A	40. 6	27. 6	9. 9.4		
Jan.	2	14.4.27			T. & K	38. 6	27. 8	6.2		
24	3	15.5.20			☐ 3. 43 I	36. 6	27. 7	9. 3.0		
25	4	16.6.10	Vig. ☉ ♀ 5.20		59 K	34. 5	27. 5	8.59.8		
26	5	17.6.48			☉ 8. 27 I	32. 3	27. 0	56.7		
27	6	18.7.34	Dperig A.M		43 K	30. 1	26. 4	53.5		
28	7	19.8.19	(1.5		☐ 11. 39 I	27. 8	25. 5	50.3		
29	8	20.9.3			38 K	25. 3	24. 0	47.1		
30	9	21.9.46	H.M. H.M		32 K	22. 8	22. 2	43.9		
31	10	22.10.27	I 21. II. 8		☉ 3. 48 A	20. 1	20. 0	40.8		
Feb.	1	23.11.6	☉ ☽ ☽ ☽		15 K	17. 3	17. 3	37.6		
2	1	24.11.43	☽ ☽ ☽ ☽		☐ 11. 32 A	14. 1	14. 0	34.4		
3	13	25.12.18	(Kep. 9.35.A			10. 6	10. 2	31.2		
4	14	26.12.51				6. 9	6. 0	28.1		
5	15	27.13.22	☽ ☽ 11.43		☐ 10. 17 A	10. 3	10. 1	24.9		
6	16	28.13.51			T. & K	9. 59	9. 56	21.7		
7	17	29.14.18	K.56. 11.8K		* 6. 3 I	55. 2	51. 0	18.5		
8	18	30.14.44	10.36 10.46 I		22 K	51. 1	45. 0	15.3		
9	19	1.15.9	☽ ☽ ☽ ☽		☐ 7.44	47. 1	39. 8	12.2		
10	20	2.15.32	Dapog) ☽ ☽		☽ 0. 40 I	42. 9	33. 8	9.0		
11	21	3.15.53	Dec. ☉ ♀ 6.29A		1. 0 K	38. 8	27. 6	5.8		
12	22	4.16.12	☽ ☽ 2.30 T			34. 5	21. 1	8. 2.6		
13	23	5.16.29	(36. h		☽ 5. 43 A	30. 1	14. 4	7.59.4		
14	24	6.16.42	(☽ ☽) pra.		T. & K	25. 6	7. 6	56.3		
15	25	7.16.55	(H.10.20.A		☽ 8. 58 I	20. 9	9. 1	53.1		
16	26	8.17.5	(10.40 K		38 K	15. 9	8. 53	49.9		
17	27	9.17.14			7. 52 K	10. 8	45. 9	46.7		
18	28	10.17.21			* 8. 10 A	5. 5	38. 5	7.43.0		
						1 //	1 //	0 //		
						9. Gr.	9. Gr.	☉		
Vet. Nov.	o / //	Temp. Aspect.	Latitud. D max. Tych.		Latit.	Die H. M.				
Dies	☉	Argentina ac- comodat.	D. 11. H. 10.5 A S. 5. gr. 9/9 //		D	☽ ☽ 5. 9. 6 A				
			D. 25. H. 10.6 P M. 5. gr. 4/5 //		null.	☽ ☽ 18. 3. 3 P				
Februar.		Motus Planetarum ubique respiciunt Meridianum URANIBURGI.								

Februar.

Februar. Motus ꝑ PLANETARUM Tychonico-Keplerian. Anno 1629.

XIII

St. nov.	♄ D.Or.		♃ D.Or.		♂ D.Or.		♀ D.Or.		♁ D.Or.		Eorundem Configurati- on. & Stat.
	Long.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	
Dies	o / //	2. Gr.	o / //	O Gr.	o / //	O Gr.	o / //	o / //	o / //	o / //	Asp. Hor. Min
1	23.21.8	37.9	21.18.8	13. 8	16.38.7	47. 2	3.10.0	1.26.8	23.19.9	1. 5.0	☐♄♁ Vig. ♁♀
2	21.7	38.2	32.4	13. 9	17.24.4	47. 8	4.22.0	23.6	24.47.6	11.7	o. 15 3. 20
3	21.4	5	45.9	14. 1	18.10.1	48. 4	5.34.0	20.3	26.16.2	17.5	Qn. ♄♁ 7.42 A
4	21.0	38.7	21.59.4	2	18.55.8	49. 0	6.46.1	17.1	27.45.6	23.0	
5	20.5	39.0	22.12.8	3	19.41.6	49. 6	7.58.3	13.9	29.15.7	28.2	
6	19.9	3	26.2	4	20.27.4	50. 1	9.10.5	10.6	30.46.6	33.2	
7	19.2	5	39.6	5	21.13.2	50. 7	10.22.8	7.2	2.18.4	37.5	
8	18.4	39.8	22.52.9	6	21.59.0	51. 3	11.35.1	3.7	3.51.1	42.2	
9	17.5	40.1	23. 6.2	7	22.44.9	51. 9	12.47.4	1. 0.1	5.24.8	46.1	7.13 A 4.22 A
10	16.4	3	19.5	8	23.30.8	52. 4	13.59.8	56.4	6.59.4	49.7	☐♄♁ ☐♁♄
11	15.3	6	32.7	14. 9	24.16.7	53. 0	15.12.2	52.8	8.34.5	53.0	♁♄♁ 3.24 A
12	14.1	10.8	45.9	15. 1	25. 2.6	53. 6	16.24.7	49.3	10.10.5	56.0	
13	12.8	11.1	23.59.0	2	25.48.6	54. 1	17.37.2	45.9	11.47.5	1.58.0	Vig. ♁♁ 2. 58
14	11.4	3	24.12.0	3	26.34.6	54. 7	18.49.8	42.6	13.25.4	2. 0.7	
15	9.9	6	25.0	5	27.20.6	55. 2	20. 2.4	39.3	15. 4.3	2.5	Vig. ♁♁ 6. 58
16	8.3	11.8	37.9	6	28. 6.7	55. 8	21.15.0	35.9	16.44.4	3.9	
17	6.6	12.1	24.50.7	7	28.52.8	56. 3	22.27.7	32.5	18.25.2	4.9	☐♄♁ 12. 15 P
18	4.8	3	25. 3.4	8	29.38.9	56. 9	23.40.4	29.1	20. 6.5	5.7	☉ in ♁ 5.50 A
19	2.8	6	16.0	15. 9	30.24.1	57. 4	24.53.1	25.7	21.49.7	6.3	♁♁♀ 8. 51
20	23.0.7	42.8	28.6	16. 1	1.11.3	57. 9	26. 5.8	22.3	23.33.4	6.7	♁♄♁ 4.18 A
21	22.58.5	43.0	41.1	2	1.57.5	58. 4	27.18.6	18.9	25.17.8	A 6.3	♁♁♁ 5.43
22	56.2	2	25.53.6	3	2.43.7	58. 9	28.31.4	15.6	27. 3.5	M 5.5	
23	53.9	5	26. 6.0	4	3.29.9	59. 4	29.44.2	12.3	28.50.0	4.2	
24	51.5	7	18.4	6	4.16.1	I Gr.	30.57.0	9.0	30.37.5	2.4	♁♁♁ 12.47 P
25	49.0	43.9	30.7	7	5. 2.3	0. 5	2. 9.8	5.7	2.26.1	2. 0.0	
26	46.5	44.2	43.0	8	5.48.5	1. 0	3.22.7	3 2.5	4.16.1	1.57.1	
27	43.9	4	26.55.3	16. 5	6.34.7	1. 5	4.35.6	M 0.6	6. 7.1	53.8	♁♄♁ 9. 40
28	22.41.2	44.6	27. 7.5	17. 0	7.20.0	2. 0	5.48.5	0. 3.8	7.58.9	1.50.0	
Februar.	♄	/ //	♃	/ //	♂	/ //	♀	o / //	♁	o / //	Tempori Asp. pro Uraniburg. Add. 17.min.
	Di. Or.	2. Gr.	Dir. Or.	O Gr.	Dir. Or.	I Gr.	Dir. Or.	Mer. Desc.	Dir. Or.	Mer. Ascen.	
	♄	S. A	♃	M. D	♂	M. D	♀		♁		

STRASBURGI Meridianum ubique respiciunt Aspectuum tempora.

Marta

Martii Motus LUMINARIUM correct.

Anno 1629.

Styl. Ver.	Nov. Loc.ver.	Cum s. Pla. Aspect. O. & Conjunct. D	D longitud. D latitud.				D Phases seu Aspect. cum O	Locus δ		
			juxta hypotheses & calculum					Verus Tych. Kep.	Æqua bilis	
			Tych.	Kep.	Tych.	Kep.				
Dies	o / //	Alp. Ho. Mi.	Sig. o / //	l / //	Pla. o / //	l / //	Asp. Ho. Mi.	9. Gr.	8. Gr.	δ
19 Febr.	1. 17. 27 2. 17. 32		δ 25. 27. 8	33. 7	M 3. 29. 4	27. 2	T. & K.	9 0	31. 2	7. 40. 4
21	3 13. 37. 35	δ O δ 1. 45 A	22. 55. 2	51. 4	1. 23. 3	20. 8		49. 4	16. 4	34. 0
22	4 14. 17. 35		δ 7. 1. 4	53. 9	0. 9. 0	6. 7		43. 8	9. 2	30. 9
23	5 15. 17. 32	D perig. 2. 23	21. 24. 8	14. 1 S	1. 7. 0	9. 1	Δ 0. 45. A	38. 1	8 2	27. 7
24	6 16. 17. 25	Bq. O B 2. 2	Ω 6. 1. 6	50. 7	A 2. 19. 8	21. 9	1. 1 K	32. 3	7 55	24. 5
25	7 17. 17. 16		20. 47. 9	39. 3	3. 23. 8	25. 8	QC. 5. 35. A	26. 4	48. 2	21. 3
26	8 18. 17. 6		μ 5. 34. 4	29. 9	4. 14. 1	15. 7	52 K	20. 3	41. 7	18. 2
27	9 19. 16. 54		20. 15. 1	15. 6	4. 47. 1	48. 1	δ 10. 0 A	14. 2	35. 3	15. 0
28	10 10. 16. 46		δ 14. 4. 0	16. 2	5. 1. 0	1. 2	9. 57. K	7. 9	29. 2	11. 8
Ma. 1	11 21. 16. 24	δ D B 5. 30	18. 44. 8	53. 7	U 4. 56. 5	55. 3	QC. 4. 30. 1	8 2	23. 3	8. 6
2	12 22. 16. 6	K. 19	11 22. 8	33. 5	4. 34. 3	32. 5	15 K	7 55	17. 7	5. 4
3	13 23. 15. 46		15. 33. 4	14. 0	3. 58. 2	55. 7	12. K	48. 7	12. 2	7. 2. 3
4	14 24. 15. 24		28. 18. 2	26. 8	3. 11. 4	8. 3	Δ 3. 27. A	48. 2	7. 1	6. 59. 1
5	15 25. 14. 59		μ 10. 40. 8	46. 0	2. 16. 4	13. 4	T. & K	35. 6	7 2	55. 9
6	16 26. 14. 32		22. 45. 7	47. 1	1. 16. 6	13. 8	Δ 7. 23. P	29. 0	58	52. 7
7	17 27. 14. 4	19. 18. P. M.	16. 4. 38. 9	36. 1	0. 14. 3	12. 0		22. 4	53. 1	49. 6
8	18 28. 13. 32	Dapo 5. 10 K	16. 26. 0	19. 5	Mo. 48. 0	49. 8		15. 8	48. 9	46. 4
9	19 29. 12. 59	δ D δ 4. 50 T	28. 13. 0	3. 4	1. 48. 2	49. 1	* 1. 56 T	9. 1	44. 9	43. 2
10	20 10. 12. 22	δ O δ S S O S	μ 10. 3. 6	52. 9	2. 43. 9	44. 7	2. 17 K	7 2	41. 1	40. 0
11	21 11. 11. 45	δ D δ 2. 58 I	22. 2. 7	52. 7	3. 33. 0	33. 4	37 K	6 55	37. 5	36. 9
12	22 12. 11. 6	δ D δ 8. 10 A	μ 4. 14. 7	6. 0	4. 13. 1	13. 4	S 7. 19 A	48. 8	34. 0	33. 7
13	23 13. 10. 25	(8. 29. K	16. 40. 3	34. 6	4. 42. 0	42. 2	T. & K	42. 0	30. 6	30. 5
14	24 14. 9. 41	V. O δ 4. 50 B	29. 21. 1	19. 4	4. 57. 7	57. 7	δ 9. 23 P	35. 3	27. 4	27. 3
15	25 15. 8. 55	11 K	μ 12. 16. 8	19. 4	4. 58. 5	58. 4		28. 5	24. 1	24. 1
16	26 16. 8. 7	δ D δ 10. 23 A	25. 26. 4	32. 9	4. 43. 6	43. 4		21. 7	21. 0	21. 0
17	27 17. 7. 10		δ 8. 47. 7	57. 4	4. 13. 1	12. 8	SS 8. 28 A	14. 9	17. 8	17. 8
18	28 18. 6. 23	(21. Mart.	22. 19. 0	29. 7	3. 28. 0	27. 7	12 K	8. 7	14. 6	14. 6
19	29 19. 5. 28	* O δ 7. 22 A	μ 5. 58. 5	8. 4	2. 30. 5	30. 5	* 5. 34 T	6 1	11. 3	11. 4
20	30 20. 4. 30	(SS O δ 7. 2 A	19. 44. 9	51. 8	1. 23. 8	24. 3	17 K	5 55	8. 0	8. 3
21	31 21. 3. 30		μ 3. 37. 8	40. 4	0. 11. 4	12. 6		47. 9	4. 6	6. 5. 1
Ver. Nov. Dies	o / //	Pro Tych. Ura- niburg. tempo- ri Ad. 17. M.	Latitud. D max. Tych.				Lat. δ δ D. 4 H. 2 32			
Mart.	o		D. 10. H. 1. 45 P S. 5. gr. 1/5 //				δ δ D. 17. H. 5. 13			
			D. 25. H. 2. 15 A M. 5. gr. 0/0 //				null. δ δ D. 31. H. 3. 26			

Martii

Martii Motus & PLANETARUM Tychonico-Keplerian. Anno 1629.

XIV

St. nov.	♄ R.Or.		♃ D.Or.		♂ D.Or.		♀ D.Or.		♁ D.Or.		Eorundem Configurati-on. & Stat.
	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	
Dies	0 / // 2.Gr	0 / // 0 Gr.	0 / // 0 Gr.	0 / // 0 Gr.	0 / // 0 Gr.	0 / // 0 Gr.	0 / // 0 Gr.	0 / // 0 Gr.	0 / // 0 Gr.	0 / // 0 Gr.	Asp. Hor. Min.
1	22.38.5	44.9	27.19.	17. 2	8. 7.3	2. 5	7. 1.4	0. 6.9	9.51.6	1.45.8	
2	35.7	45.1	31.9	3	8.53.6	3. 0	8.14.4	10.1	11.45.4	41.1	Sq. ♃ ♁ 10. 35
3	32.8	3	44.0	4	9.39.9	3. 4	9.27.4	13.0	13.40.2	35.8	♂ ♃ ♁ 10. 33
4	29.8	5	27.56.0	6	10.26.2	3. 9	10.40.4	17.0	15.35.8	30.0	Trid. ♄ ♃ ♁ 1.28
5	26.7	7	28. 7.9	7	11.12.5	4. 3	11.53.4	20.0	17.32.3	23.6	Bq. ♄ ♁ Dec. ♃ ♁
6	23.5	45.9	19.7	17. 8	11.58.8	4. 8	13. 6.5	23.0	19.29.5	16.6	9.28 A 11, 12
7	20.2	46.0	31.4	18. 0	12.45.2	5. 2	14.19.6	25.1	21.27.4	9.0	(3. ♁ Occid.
8	16.8	2	43.0	1	13.31.8	5. 7	15.32.7	28.0	23.25.8	1. 0.8	Qc. ♄ ♁ 7.35 A
9	13.3	4	28.54.5	3	14.18.2	6. 1	16.45.8	30.8	25.24.7	0. 51.9	Vig. ♃ ♁ 3. 6
10	9.7	6	29. 5.5	4	15. 4.6	6. 6	17.58.9	33.6	27.23.6	42.4	(♁ D. velocifs.
11	6.1	8	17.1	5	15.51.0	7. 0	19.12.1	36.3	29.22.0	33.4	* ♃ ♁ 10.37 A
12	22. 2.4	46.9	27.2	7	16.37.4	7. 5	20.25.3	38.9	31.20.4	23.0	♁ ♃ ♁ 5. 25
13	21.58.7	47.0	38.2	18. 3	17.23.8	8. 0	21.38.5	41.5	3.18.4	12.4	Δ ♄ ♁ Vig. ♃ ♁
14	54.9	2	49.1	19. 0	18.10.2	5	22.51.6	44.0	5.15.2	M 1.4	6.43 9.27
15	51.1	3	29.59.9	1	18.56.6	8. 9	24. 4.8	46.5	7.10.6	S 10.0	
16	47.2	4	0.10.6	3	19.43.0	9. 3	25.18.0	49.0	9. 3.5	A 21.8	
17	43.3	6	21.2	4	20.29.4	9. 7	26.31.2	51.4	10.55.2	33.8	Qn. ♃ ♁ 20.43
18	39.3	7	31.7	6	21.15.8	10. 1	27.44.4	53.8	12.44.0	45.9	Sq. ♃ ♁ Δ ♄ ♁
19	35.2	7.9	42.2	7	22. 2.3	5	28.57.6	56.1	14.29.7	0. 58.1	0. 1 10.52
20	31.1	8.0	0.52.6	19. 9	22.48.8	10. 5	30.10.9	0. 58.4	16.12.0	1.10.3	♁ in ♃ 6.43 A
21	26.5	2	1. 2.9	20. 0	23.35.3	11. 3	1.24.1	1. 0.6	17.50.1	22.3	SS. ♃ ♁ 3.38 A
22	22.7	3	13.1	2	24.21.8	11. 6	2.37.3	2.7	19.23.8	34.0	(Equinoct. Ver
23	18.5	4	23.2	3	25. 8.3	12. 0	3.50.5	4.8	20.52.8	45.5	♁ ♄ ♁ Qd. ♃ ♁
24	14.2	5	33.2	5	25.54.8	4	5. 3.7	6.8	22.16.8	1.56.7	6.42 9.31
25	9.5	6	43.0	6	26.41.3	12. 8	6.16.0	8.7	23.34.4	2. 7.2	
26	5.0	7	1.52.7	20. 8	27.27.9	13. 2	7.30.3	10.5	24.46.7	17.0	
27	1.2	8	2. 2.3	21. 0	28.14.4	5	8.43.6	12.3	25.52.7	26.2	
28	20.56.8	8.9	11.7	1	29. 0.0	13. 8	9.56.9	14.0	26.53.1	34.8	♁ Elong. max.
29	52.4	19.0	21.0	3	29.47.5	14. 1	11.10.2	15.6	27.45.5	42.6	(♁ D. velocifs.
30	47.9	1	30.2	4	30.33.1	4	12.23.5	17.2	28.31.8	49.4	
31	20.43.4	19.2	2.39.2	21. 6	1.20.6	14. 7	13.36.8	1.18.7	29.11.2	2.54.9	♁ ♃ ♁ 3. 58
Martii	♄	♃	♂	♀	♁						Temp. hic Ar-
	Ret. or.	2.Gr.	Dir. Or.	0 Gr.	Dir. Or.	1 Gr.	Dir. Or.	Mer.	Dir. oc.	Sept.	gentorato ac-
	♄	S. A	♃	M. D	♂	M. D	♀	Delc.	♁	Ascen.	commodat.

D

Aprilis • Motus LUMINARIUM correct. Anno 1629.

Styl. Vet. Nov.	Dics	Loc. ver. o / //	Cum s. Pla. Aspect. ☉ & Conjunct. ☽	longitud. & latitud.				Phases seu Aspect cum ☉	Locus ☽		
				juxta hypotheses & calculum					Verus Tych. Kep.	Æqua bilis	
				TYCH.	KEP.	TYCH.	KEP.				
			Alp. Ho. Mi.	sig. o / // / //	Pla. o / // / //		Alp. Ho. Mi	5. Gr.	6. Gr.	☽	
22	1	12. 2. 28	A. M	17. 37. 3	35. 3	S 1. 2. 2	0. 4	□ 1. 25 A	41. 1	6. 1	6. 1. 9
Mar.	2	13. 1. 24	perig. 3. 42	1. 44	6. 38. 1	A 2. 12. 7	10. 4	(T. & K)	34. 4	5. 57	5. 58. 7
24	3	14. 0. 18		15. 59. 0	49. 6	3 15. 5	13. 1	△ 8. 8. A	27. 7	53. 3	55. 5
25	4	14. 59. 9	☽ ♀ 6. 50	mpo. 18. 8	7. 9	4. 6. 2	4. 2	24 K	21. 1	49. 3	52. 4
26	5	15. 57. 58	♂ ♀ 12. 5 P	14. 39. 6	31. 0	4. 4. 1. 4	40. 2	☽ 2. 5. T	14. 5	45. 6	49. 2
27	6	16. 56. 45	4 K	28. 55. 7	49. 3	4. 58. 5	58. 5	20 K	7. 5	40. 5	46. 0
28	7	17. 55. 30	♂ ☉ 3. 15	13. 1. 4	59. 5	D 4. 57. 9	18. 3	♂ 8. 52 I	5. 1	35. 7	42. 8
29	8	18. 54. 1		26. 50. 8	53. 0	4. 39. 3	40. 3	53 K	4. 5	30. 7	39. 6
30	9	19. 52. 54		11. 0. 19. 9	26. 7	4. 5. 3	6. 8	19 K	48. 5	25. 4	36. 5
31	10	20. 51. 33		23. 26. 4	36. 2	3. 19. 0	20. 8	☽ 6. 37 A	42. 1	20. 0	33. 3
Apr.	11	21. 50. 10		16. 10. 4	21. 2	2. 23. 7	25. 9		35. 8	14. 2	30. 1
	12	22. 48. 45	(Dap. 10 21)	18. 34. 2	44. 3	1. 23. 0	15. 4	△ 8. 54 T	29. 5	8. 3	27. 0
	1	23. 47. 18	(♂ ☽ 11. 56)	10. 40. 7	48. 6	0. 19. 6	22. 2	32 K	23. 4	5. 2	23. 8
	2	24. 45. 49	☽ ♀ 3. 35	12. 35. 1	39. 7	Mo. 43. 7	40. 8		17. 3	4. 56	20. 0
	3	25. 44. 18	Dapog. ☽ ☽	24. 22. 8	23. 4	D 1. 44. 5	41. 5	□ 2. 44 P	11. 3	19. 3	17. 4
	4	26. 42. 45	♂ ♀ 10. 56 A	22. 6. 9. 3	5. 8	2. 40. 8	37. 8	T & K	5. 5	12. 5	14. 3
	5	27. 41. 10	(11. 7 K)	18. 0. 2	53. 1	3. 30. 6	27. 8	9. 7 K	4. 0	35. 5	11. 1
	6	28. 39. 33		10. 1. 0	51. 2	4. 11. 5	9. 5	* 8. 46 A	3. 5	28. 4	7. 9
	7	29. 37. 54	♂ ☽ 7. 25 I	12. 15. 7	4. 7	4. 42. 0	40. 6	46 K	48. 8	21. 3	4. 7
	8	30. 36. 12	♂ ♀ 3. 14 K (49 K)	24. 47. 6	37. 3	4. 59. 7	59. 2	☽ 11. 28 P	43. 4	14. 0	5. 1. 5
	9	1. 34. 28	♂ ♀ 2. 58 I	7. 39. 8	31. 1	A 5. 12. 8	3. 1		38. 1	4. 7	4. 58. 4
	10	2. 32. 42	♂ ♀ 1. 40 I	20. 50. 4	46. 1	4. 50. 2	51. 0		32. 8	3. 59	55. 2
	11	3. 30. 55	(47 K)	4. 20. 0	20. 4	4. 21. 3	22. 3	♂ 10. 9 A	27. 6	52. 5	52. 0
	12	4. 29. 6		18. 5. 3	10. 0	3. 36. 0	37. 7	T. & K	22. 0	45. 1	48. 8
	13	5. 27. 15	□ ☽ 6. 21	12. 2. 3	10. 7	2. 38. 4	39. 3	☽ 5. 58 T	17. 7	38. 0	45. 7
	14	6. 25. 23	♂ ♀ 10. 20	16. 6. 9	17. 4	1. 20. 9	50. 5	42 K	13. 1	31. 0	42. 5
	15	7. 23. 29		0. 15. 1	25. 0	0. 15. 4	15. 9	* 12. 44 P	8. 6	24. 2	39. 3
	16	8. 21. 33	Fig ☽ 6. 19 A	14. 23. 7	31. 8	S 1. 0. 1	59. 7	27 K	4. 3	17. 7	36. 1
	17	9. 19. 35	Dperig. 5. 0	28. 30. 7	34. 9	A 2. 12. 0	11. 4	T. & K	3. 0	11. 4	33. 0
	18	0. 17. 34		12. 36. 0	35. 1	3. 15. 8	15. 1	□ 7. 30 A	2. 56	5. 34	29. 8
	19								2. Gr	3. Gr.	o / //
Vet. Nov.	Dics	o / //	Temp. Aspect.	Latitud. ☽	max. Tych.			Lat.		Di.	H. M.
April.	☉	8	STRASBUR.	D. 6 H. 9. 6. P	S. 5. gr. o / 7 //			null.	♂ 88	13. 7. 9	
			respond.	D. 21 H. 7. 59 A	M. 5. gr. 3 / 5 //				♂ 88	27. 4. 37	

Aprilis Motus ꝛ PLANETARUM Tychónico-Keplerian. Anno 1629.

XL

St. iv.	♄ R.Or.		♃ D.Or.		♂ D.Or.		♀ D.Or.		♁ D.Occ.		Eorandem Configurati- on. & Stat.
	Long.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	
	♄	S. A	♃	M. D	♂	M. D	♀	M. D	♁	S. A	
Dies	o / //	2 Gr.	o / //	o Gr.	o / //	1 Gr.	o / //	o / //	o / //	o / //	Asp. Hor. Mio
1	20.38.8	49.3	2. 48.1	21. 8	2. 7.1	15. 0	14.50.2	1.20.2	29.43.7	2. 58.9	Bq. ♄♂ 8.12 A
2	34.7	3	2. 56.9	22. 0	2. 53.6	3	16. 3.5	21.6	8 9.0	3. 1.9	♄♂ 1. 49
3	29.6	3	3. 5.6	2	3.40.1	6	17.16.8	22.9	0 28.1	3.7	♄♂ 17.47 P
4	25.0	4	14.1	3	4.26.6	15. 8	18.30.1	24.1	39.4	4.3	3.19 11.8
5	20.7	4	22.5	5	5.13.0	16. 1	19.43.5	25.3	51.44.3	D 4.1	Trio. ♄♂ Qc. ♄♂
6	15.8	4	30.8	7	5.59.4	4	20.56.8	26.4	R. 40.9	1. 1.6	stat. ♁ Retr.
7	11.2	4	39.0	22. 9	6.45.7	6	22. 0.1	27.5	34.1	2. 57.8	(in ♄♂ plat
8	6.6	5	47.1	23. 0	7.32.0	16. 9	23. 23.4	28.5	20.0	52.7	♄ Occident.
9	20.2.0	49.5	3. 55.0	2	8.18.4	17. 2	24.36.8	29.4	8 0.4	46.2	♄ R. velocis.
10	19.57.3	49.5	4. 3.8	4	9. 4.8	4	25.50.1	30.2	Y 35.5	38.3	
11	52.7	Defe.	10.5	5	9.51.2	7	27. 3.4	30.8	29. 5.8	29.0	
12	48.	49.5	18.0	7	10.37.6	17. 9	28.16.8	31.5	28.31.7	18.1	SS. ♁♂ 2.57 P
13	43.5	5	25.3	23. 9	11.24.0	18. 1	29.30.1	32.1	27.54.6	2. 5.8	Vig. ♄♂ 0.17 A
14	38.5	4	32.5	24. 1	12.10.3	3	Y 43.4	32.6	27.15.0	1.52.4	♄♂ 1. 11
15	34.5	4	39.5	3	12.56.6	5	1.56.7	33.1	26.34.8	38.2	Bq. ♄♂ 17.38 P
16	29.7	4	46.4	5	13.42.9	7	3.10.1	33.5	25.52.3	23.3	♁ R. veloc. Or.
17	25.	3	53.1	6	14.29.2	18. 9	4.23.4	33.8	25. 9.9	1. 7.6	♄♂ 10. 24
18	20.6	3	59.7	24. 8	15.15.4	19. 1	5.36.7	34.0	24.27.8	0.51.3	
19	16.1	3	5. 6.2	25. 0	16. 1.6	3	6.50.1	34.1	23.47.1	34.6	♄ in ♄ 9 1
20	11.0	2	12.5	2	16.48.9	5	8. 3.4	34.2	23. 8.5	16.9	
21	7.1	2	18.7	4	17.34.1	7	9.16.7	34.3	22.32.1	0. 0.5	
22	19.2.7	2	24.7	6	18.20.3	19. 8	10.30.0	1.34.3	21.58.5	M 16.3	
23	18.58.3	1	30.6	25. 8	19. 6.5	20. 0	11.43.4	M. A	21.29.2	D 32.6	Qc. ♄♂ 7.47 A
24	54.0	49.0	36.3	26. 0	19.52.6	1	12.56.7	1.34.1	21.4. 10. 48.5		
25	49.7	48.9	41.8	2	20.38.7	3	14.10.0	33.8	20.43.0	1. 4.0	SS. ♄♂ Sq ♄♂
26	45.4	8	47.2	3	21.24.7	4	15.23.3	33.4	26.0	18.8	1. 21 1. 33
27	41.2	7	52.4	5	22.10.7	5	16.36.7	33.1	14.5	32.9	2. 17 14. 14
28	37.0	6	57.4	7	22.56.7	7	17.50.1	32.7	6.8	46.2	Qn. ♄♂ ♄♂
29	32.8	5	6. 2.2	26. 9	23.42.8	8	19. 3.4	32.2	5. 4.3	1. 58.7	stat. ♁ Dir.
30	8.28.6	48.4	6. 9	27. 1	24.28.8	20. 9	20.16.8	1.31.5	20. 6.6	2. 10.3	(in ♄♂ plat.
April.	♄	/ //	♃	/ //	♂	/ //	♀	o / //	♁	o / //	Pro Meridiano
	Ret. Occ.	2. Gr.	Dir. Or.	o Gr.	Dir. Or.	1 Gr.	Dir. Or.	Mer.	Ret. Or.	Mer.	IRANIBURG.
	♄	S. D	♃	M. D	♂	M. D	♀	Ascen.	♁	Defc.	Add. 17.m.

Maji

Motus LUMINARIUM correct.

Anno 1629.

Styl. Var.	Nov. Loc. ver 8	Cum 5. Plan. Aspect. ☉ & Conjunct. ☽	D longitud. D latitud.				D Phases seu Aspect cum ☉	Locus 88		
			juxta hypothesis & calculum					2. Gr. 3. Gr.	Equa bilis	
			Tych.	Kepl.	Tych.	Kepl.				
Dies	o / //	Asp. Hor. Mi.	Sig. o / / /	Pla. o / / /	Alp Ho. Mi.	2. Gr.	3. Gr.	95		
21	1 11.15.31		♄ 26.38.8	33.1	♃ 4. 7.5	6.8	56 K	51. 8	59. 3	4. 26.6
Apr. 2	12.13.27		♃ 10.38.6	29.4	♂ 4.44.2	43.7	Δ 2. 39 T	47. 8	53. 6	23.4
23	3 13.11.21		24.34.1	23.4	♂ 5. 4.0	3.8	56 K	43. 8	48. 2	20.3
24	4 14.9.14	(5.10. K)	♄ 8.23.8	12.6	♃ 5. 5.9	6.0	♄ 10.38 I	39. 8	43. 0	17.1
25	5 15. 7. 5	♄ 4.55 A	22.1.5	53.9	♃ 4.50.3	50.6		55. 9	38. 0	13.9
26	6 16.4.5	♄ 4.21 A	♃ 5.27.4	23.7	♂ 4.18.8	19.1		32. 1	33. 2	10.7
27	7 17.2.41	Vig. ☉ 446 P	18.37.9	38.5	♃ 3.33.7	33.9	♄ 8. 36 A	28. 4	28. 9	7.5
28	8 18.0.27		♄ 1.31.4	35.9	♃ 2.38.8	38.5	T & M	24. 8	24. 9	4.4
29	9 18.58.1		14.7.5	15.3	♃ 1.36.9	36.2	♄ 9. 57 T	21. 4	21. 4	1. 1.2
30	10 19.55.53		26.27.1	37.3	♃ 0.31.7	30.7	39 K	8. 4	18. 5	3.58.0
Maj. 11	20.53.34	A. M 8.52 K	♄ 8.33.0	43.7	♃ 0.34.0	35.0	26 K	15. 7	16. 0	54.8
2	12 21.51.14	11.41 9. 4 T	20.28.7	38.1	♃ 1.37.3	38.1	Δ 2. 47 T	13. 0	13. 9	51.6
3	13 22.48.52	Dapog. ☉ 4	♃ 2.17.4	24.6	♃ 2.36.1	36.4		10. 5	12. 1	48.5
4	14 23.46.29	Bq. ☉ 7.49 A	14.4.9	8.7	♃ 3.28.0	28.0		7. 9	10. 5	45.1
5	15 24.44.5		25.56.2	55.6	♃ 4.11.1	11.0	□ 9. 4 A	5. 7	9. 8	42.1
6	16 25.41.39		♄ 7.55.2	51.7	♃ 4.44.1	43.8	5 K	2. 4	9. 1	38.9
7	17 26.39.12	50 K	20.10.3	2.3	♃ 5. 4.9	4.6	27 K	2 1	8. 6	35.8
8	18 27.36.43	♄ 10.30 T	♄ 2.42.9	33.6	♃ 5.11.8	11.8	* 1. 9 A	1 59	8. 1	32.6
9	19 28.34.13	(38 K)	15.37.1	26.3	♃ 5. 3.3	3.8	1. 9 K	57. 0	7. 9	29.4
10	20 29.31.42	♄ 11.24 T	28.55.5	46.1	♃ 4.38.5	39.4	SS 0. 51 T	55. 0	7. 9	26.2
11	21 29. 9	♄ 5.57 I	♄ 12.37.4	32.6	♃ 3.57.2	58.4	T & K	53. 1	8. 3	23.1
12	22 1.26.36	♄ 6.4 K	26.40.4	38.4	♃ 3. 0.7	2.1	♄ 8. 17 I	51. 4	8. 8	19.2
13	23 2.24. 2	1.58 A)	II 11.0.2	3.1	♃ 1.51.7	53.1		49. 9	9. 4	16.7
14	24 3.21.26		25.30.9	38.4	♃ 0.34.5	35.8		18. 0	10. 1	13.5
15	25 4.18.49		♄ 10.6.5	16.7	♃ 0.45.5	44.3	♄ 1. 31 A	47. 4	11. 0	10.3
16	26 5.16.11		24.39.3	50.1	♃ 2. 2.4	1.2	15 K	46. 2	11. 9	7.2
17	27 6.13.32	D per. 6.19 A	♄ 9.6.6	15.5	♃ 3.11.1	9.7	* 6. 35 A	45. 1	2. 8	4.0
18	28 7.10.52	Δ ☉ 9.6 A	23.22.9	27.9	♃ 4. 7.0	5.6	19 K	44. 0	3. 6	3. 0.8
19	29 8. 8.11		♃ 7.27.0	27.1	♃ 4.47.1	46.0	□ 0. 59 A	43. 0	14. 4	2.57.6
20	30 9. 5.29		21.18.6	13.9	♃ 5. 9.9	9.3	9. 47 K	42. 1	15. 0	54.4
21	31 10.2.46	V. ☉ 11.47 P	♄ 4.58.0	49.5	♃ 5.14.8	15.0	Δ 9. 29 T	41. 2	15. 5	2.51.3
Ver. Nov.	o / //	ARGENTO-	Lat.	D.4.H.434.A	S.5.gr.7.m.3//	Pro U R A-	Lat. D null,			
Dies	II	RATENSUM	D	D.18.11.43 A	M.5.gr.11.m.8//	NIBURG	♄ 8 D. 10.11.17			
Maji	☉	Meridian.	MAN	D.31.9.41.A	S.5.gr.15.m.3//	Γ, ad 17.	♄ 8 D. 24.10. 4			

Maji Motus ꝑ PLANETARUM Tychonico-Keplerian. Anno 1629. XVI

St.	♄ D.Or.		♃ D.Or.		♂ D.Or.		♀ D.Or.		♁ D.Or.		Eorundem Configurati- on. & Stat.
	Long.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	
Dies	o / //	z.Gr	o / //	o Gr.	o / //	1 Gr.	o / //	o / //	o / //	o / //	Asp. Hor. Min.
1	18.24.5	48.3	6. 11.4	27. 3	25. 14.8	21. 0	21.30.2	1. 30.8	20. 13.8	2. 21.10	
2	20.4	2	15.7		26. 0.7		22.43.5	30.0	25.3	20.8	
3	16.4	1	19.8		26.46.6		23.56.9	29.1	20.41.0	39.7	Trid. ♄♁
4	12.5	48.0	23.8	27. 9	27.32.5		25.10.2	28.3	21. 1.5	47.7	(1.38 A M)
5	8.6	47.9	27.6	28. 1	28.18.3		26.23.6	27.4	26.9	2.54.8	
6	5.8	8	31.2		29. 4.1		27.36.9	26.6	21.56.7	3. 1.1	
7	18.1.0	6	34.6		29.49.8		28.50.2	25.7	22.30.3	6.5	
8	17.57.3	4	37.9		30.5.5	21. 1	3.6	24.7	23. 7.9	11.0	
9	53.7	2	41.0	28. 9	1.21.2	Mer.	1.16.9	23.6	23.49.7	14.7	SS♂♀ 3. 26
10	50.1	47.0	43.8	29. 2	2. 6.8	Afc.	2.30.2	22.4	24.34.5	17.6	
11	46.6	46.8	46.7	4	2.52.4	21. 1	3.43.5	21.0	25.22.3	19.6	
12	43.2	7	49.4	6	3.37.9		4.56.9	19.7	26.13.5	20.8	
13	39.9	5	51.9	29. 8	4.23.4	0	6.10.2	18.3	27. 8.3	21.3	♁ max. elong.
14	36.6	3	54.2	30. 0	5. 8.9	0	7.23.6	16.9	28. 6.5	A 21.2	♁♁♀ 1. 48 A
15	33.4	1	56.2	2	5.54.3	21. 0	8.36.9	15.4	29. 7.8	M 20.5	
16	30.3	46.0	57.9	5	6.39.7	20. 9	9.50.3	13.9	♁ 12.1	19.1	*♁♂ 9. 39
17	27.2	45.8	6. 59.3	7	7.25.1	8	11. 3.6	12.8	1.19.3	16.9	
18	24.2	67. 0.6	30. 9	8.10.4		7	12.17.0	10.7	2.29.3	14.0	
19	21.3	4	1.8	31. 1	8.55.7	6	13.30.3	9.0	3.42.1	10.5	
20	18.5	2	2.9	3	9.41.0	6	14.43.7	7.3	4.57.7	6.5	♁ in II 17.33
21	15.7	45.0	3.8	6.10.26.3		5	15.57.0	5.6	6.16.0	3. 1.9	
22	13.0	44.8	4.5	31. 8.11.1.5		4	17.10.4	3.8	7.36.9	2.56.8	♁♁♁ 2. 1 A
23	10.4	6	5.0	32. 0.11.56.7		3	18.23.7	2.0	9. 0.3	51.1	
24	7.9	4 St.	5.3	2.12.41.8		2	19.37.1	1. 0.1	10.26.2	44.8	Stat. ♁ Ret.
25	5.5	44.1	5.3	4.13.26.8	20. 0	20.50.5	0. 58.2	11.54.7	37.5		
26	3.2	43.9	5.2	7.14.11.8	19. 8	22. 3.8	56.2	13.25.8	30.5	6.34 A)	
27	17.1.0	7	4.5	32. 9.14.56.7		6	23.17.2	54.2	14.59.6	22.7	Bq ♄♁ SS♂♀
28	16.58.9	5	4.5	33. 2.15.41.5		4	24.30.6	52.2	16.35.9	14.5	(9.51 A
29	56.9	3	3.8	4.16.26.2		2	25.43.9	50.2	18.14.7	2. 5.9	1.37 A 3.9 A
30	54.9	43.0	2.9	6.17.11.9	19. 0	26.57.3	48.1	19.55.8	1.56.8	Qn. ♁♁♂♂♂	
31	52.0	42.8	7. 1.9	33. 8.17.55.5	18. 8	28.10.7	0.46.0	21.39.3	1.47.3	Bq. ♄♁ 2.46	
Maji	Ret. Or.	z. Gr.	Ret. Or.	o Gr	Dir. Or.	1 Gr.	Dir. Or.	Mer.	Dir. Or.	Mer.	Pro Meridiano
	♄	S. D	♃	M. D	♂	M. A	♀	Ascen	♁	Ascen.	URANIBUR- GI motus.

Styl. Vet.	Nov. II	Cum 5. Plan Aspect. ☉ & Conjunct. ☽	Longitude. Latitude.				Phases seu Aspect cum ☉	Locus ☽		
			juxta hypotheses & calculum					Verus Tych. Kep.	A bilis	
			Tych.	Kep.	Tych.	Kep.				
Dies	o / //	Asp. Hor. Mi	sig. o / // /	Pla. o / // /	Alp Ho. Mi.	I. Gr.	2. Gr.	☽		
22 Maji	11. 0. 2 11. 57. 1	♂♂h 8. 57 A 9. 15 K	♂♂ 3. 24. 8 ♂♂ 1. 38. 8	14. 2 28. 7	♂♂ 5. 2. 2 ♂♂ 4. 33. 7	♂♂ 3. 4 ♂♂ 35. 8	40. 5 39. 9	15. 9 16. 2	2. 48. 1 44. 9	
24 25	3 12. 54. 3 4 3 51. 4		14. 40. 1 27. 28. 6	31. 3 23. 0	♂♂ 3. 51. 3 ♂♂ 2. 58. 0	♂♂ 54. 2 ♂♂ 2. 2	♂♂ 20. 8. 13 A ♂♂ 31 K	5 39. 1	4 5	41. 7 38. 6
26 27	5 14. 48. 59 6 15. 46. 11		♂♂ 10. 4. 4 ♂♂ 22. 26. 9	2. 3 29. 5	♂♂ 1. 56. 6 ♂♂ 0 50. 7	♂♂ 0. 0 ♂♂ 53. 9	♂♂ 9. 41 K ♂♂ T & K	38. 7 4	16. 3 15. 8	35. 4 32. 2
28 29	7 16. 43. 22 8 17. 40. 32	♂♂♂♂ 11. 21 A	♂♂ 4. 38. 4 ♂♂ 16. 40. 2	14. 7 19. 5	♂♂ 0. 16. 7 ♂♂ 1. 22. 4	♂♂ 3. 8 ♂♂ 20. 0	♂♂ 35 K ♂♂ ♀♂ 1. 55 T	38. 0	15. 1 14. 2	29. 0 25. 9
30 31	9 18. 37. 42 10 19. 34. 51	♂♂♂♂ 1. 36 P ♂♂♂♂ 4. 10 A	♂♂ 28. 35. 1 ♂♂ 10. 25. 0	15. 6 35. 9	♂♂ 2. 24. 0 ♂♂ 3. 19. 1	♂♂ 22. 0 ♂♂ 17. 4		37. 8	13. 1 11. 7	22. 7 19. 5
Jun. 11 2	1 20. 32. 0 2 21. 29. 8	(3. 49 K)	♂♂ 22. 14. 8 ♂♂ 4. 7. 4	13. 8 13. 5	♂♂ 4 5. 7 ♂♂ 4. 41. 7	♂♂ 4. 1 ♂♂ 40. 6	♂♂ Δ 7. 56 ♂♂ 35 K	5	10. 2 8. 4	16. 3 13.
3 4	3 22. 26. 15 4 23. 23. 22		♂♂ 16. 7. 8 ♂♂ 28. 20. 0	9. 8 18. 9	♂♂ 5. 6. 0 ♂♂ 5. 17. 0	♂♂ 5. 4 ♂♂ 16. 9	♂♂ T & I ♂♂ □ 1. 10 A	4	6. 4 4. 1	10. 0 6. 8
5 6	5 24. 20. 28 6 25. 17. 32	33 K ♂♂♂♂ 11. 14 T	♂♂ 10. 49. 8 ♂♂ 23. 41. 0	43. 7 31. 8	♂♂ 15. 13. 6 ♂♂ 4 56. 6	♂♂ 14. 0 ♂♂ 55. 7	♂♂ 3. 10 K ♂♂ * 2. 51 T	5 6	2 1	3. 6 2. 0. 4
7 8	7 26. 14. 38 8 27. 11. 43	♂♂♂♂ 9. 49 ♂♂♂♂ 5. 40 K	♂♂ 8 6 57. 0 ♂♂ 20 39. 4	46. 5 29. 3	♂♂ 4. 19. 6 ♂♂ 3. 28. 8	♂♂ 21. 1 ♂♂ 30. 6	♂♂ 32 K ♂♂ SS 11. 43 T	7 37. 9	50. 2 53. 7	1. 57. 2 54. 1
9 10	9 28. 8. 48 10 29 5. 52	5. 40 K ♂♂♂♂ 6. 3 T	♂♂ 4. 48. 4 ♂♂ 19 20. 6	40. 8 16. 9	♂♂ 2. 23. 8 ♂♂ 1. 7. 9	♂♂ 25. 5 ♂♂ 9. 1	♂♂ Eclips. ☉	8.	150. 7 47. 6	50. 9 47. 7
11 12	11 21 2. 56 12 22 1. 0. 0	♂♂♂♂ 2. 48 ♂♂♂♂ 7 32 A (1. 23 P)	♂♂ 4. 10. 6 ♂♂ 19. 9. 0	11. 6 14. 8	♂♂ 0. 14. 1 ♂♂ 1. 35. 9	♂♂ 13. 7 ♂♂ 36. 2	♂♂ 4. 35 A ♂♂ 36 K	38. 7 39. 0	14. 5 41. 4	44. 6 41. 4
13 14	13 23 1. 57. 4 14 24 2 54. 8	♂♂♂♂ 9. 28	♂♂ 4. 8. 0 ♂♂ 18 58. 9	17. 4 9. 9	♂♂ 2. 51. 1 ♂♂ 3. 54. 1	♂♂ 52. 0 ♂♂ 55. 0	♂♂ 8. 14 A ♂♂ 7. 44 K	3 6	38. 2 35. 0	38. 2 35. 0
15 16	15 25 3. 51. 12 16 26 4. 48. 16		♂♂ 3. 34. 5 ♂♂ 17 51. 0	44. 1 57. 1	♂♂ 4. 40. 7 ♂♂ 5. 8. 8	♂♂ 41. 5 ♂♂ 9. 2	♂♂ * 0. 13 K ♂♂ 11. 56 A	39. 5 40. 2	31. 9 28. 8	31. 8 28. 6
17 18	17 27 5. 45. 19 18 28 6. 42. 22	14 K ♂♂♂♂ 2. 7 T	♂♂ 1. 46. 2 ♂♂ 15 20. 2	47. 8 17. 1	♂♂ 5. 17. 9 ♂♂ 5. 8. 9	♂♂ 17. 9 ♂♂ 8. 8	♂♂ □ 7. 18 P ♂♂ T & K	4 6	25. 7 22. 9	25. 5 22. 3
19 20	19 29 7. 39. 25 20 30 8. 36. 28		♂♂ 28. 34. 6 ♂♂ 11. 32. 3	27. 0 22. 4	♂♂ 4. 43. 5 ♂♂ 4. 4. 2	♂♂ 43. 0 ♂♂ 3. 4	♂♂ 6. 10 K ♂♂ Δ 5. 51 A	8 40. 9	20. 2 17. 5	19. 1 1. 15. 9
								1 // 1 // 0 1 //		
Vet. Nov. Dies	o / // ☽	Pro Uranibur. 30 temporibus add. 17. m.	Latitud. ☽ max. Tych.					☽ Lat. ☽ null.		
Junii	☉		☽ 14. H. 3. 8 P					♂♂ 7. H. 5. 46 A		
			☽ 27. H. 11. 43 A					♂♂ 21. H. 7. 35 A		

XVII

Junij Motus 5. PLANETARUM Tychonico-Keplerian. Anno 1629.

Dics	♄ R. Oc.		♃ R. Or.		♂ D. Or.		♀ D. Or.		♁ D. Or.		Eorundem Configurati- on. & Stat.
	Long.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	
	♁ S. D	♃ M. D	♂ M. A	♀ M. A	♁ M. A	♁ M. A	♁ M. A	♁ M. A			
1	16.51.2	42.67.07	34.0	18.40.1	18.6	29.24.10	43.8	23.25.4	1.37.5	Qn. ♄♂ 10.29	
2	49.5	46.59.3	2	19.24.6	4	37.5	41.6	25.13.9	27.4		
3	47.9	42.1	57.7	4	20.8.1	2	1.50.9	39.4	27.49	17.1	
4	46.6	41.9	55.9	7	20.53.5	18.0	3.4.4	37.2	28.58.4	1.6.5	
5	45.0	7	53.9	34.9	21.37.9	17.7	4.17.8	35.0	2.54.4	0.55.7	
6	43.7	4	51.7	35.1	22.22.2	5	5.31.3	37.2	2.53.0	44.8	
7	42.5	41.2	49.3	4	23.6.5	17.2	6.44.8	30.4	4.53.8	33.9	Δ ♄♀ 1.8 P
8	41.4	40.9	46.7	7	23.51.7	16.9	7.58.2	28.1	6.56.3	22.9	Δ ♄♂ 9.52 A
9	40.0	0	43.9	35.9	24.35.9	6	9.11.7	25.8	9.0.3	11.9	♄♀♂♁ 5q.♂♀
10	39.3	3	41.0	36.1	25.19.0	3	0.25.2	23.5	11.5.5	M 0.9	Sq.♂♀ 6.49 A
11	38.5	40.1	37.9	3	26.3.0	16.0	11.38.7	21.2	13.13.5	9.8	(♄♀♂ 4.58
12	37.8	39.8	34.6	5	26.47.0	25.7	12.52.1	18.8	15.22.7	A 20.2	(♄♂♂ 10.4
13	37.2	5	31.2	30.7	27.30.9	4	14.5.6	16.4	17.33.1	30.3	Δ ♄♀ 1.28 A
14	36.7	3	27.6	37.0	28.14.5	15.1	15.19.1	14.0	19.44.3	40.1	
15	16.36.7	39.0	23.9	2	28.50.4	14.8	16.32.6	11.0	21.56.1	49.5	Δ ♄♀ 0.55 P
16	36.0	38.7	20.1	4	29.42.1	4	7.46.1	9.2	24.8.3	0.58.5	(♄ Occident.
17	35.7	5	15.9	6	25.7	14.0	8.59.5	6.8	26.20.0	I. 6.9	♄ D. Velocit.
18	35.5	38.2	11.0	37.8	1.9.3	13.6	0.13.2	4.4	28.32.6	14.5	♄♂♂ 6.36 P
19	35.4	37.9	7.1	38.0	1.52.8	13.2	21.26.7	M 1.0	26.44.1	21.3	Stat. ♄ Dir.
20	Stat. 4	7.5	2.4	3	2.36.2	12.8	22.40.2	0.3	2.54.8	27.3	*♄♂ 6.38 A
21	35.5	45.5	57.0	5	3.19.0	4	23.53.8	1.2.0	5.4.4	32.8	♄♂♂ 10.21 A
22	35.8	37.2	52.5	7	4.2.9	12.0	25.7.3	5.0	7.12.8	37.5	(Solstit. Aft.
23	36.2	36.9	47.5	38.9	4.46.2	11.0	26.20.9	7.4	9.19.8	41.6	Qc. ♄♂ 9.17
24	36.7	7	42.3	39.1	5.29.4	11.2	27.34.4	9.7	11.25.1	44.5	□ ♄♂ 6.7
25	37.3	4	37.0	3	6.12.5	10.8	28.48.0	12.1	13.29.4	47.5	
26	38.0	36.1	31.6	5	6.55.5	10.3	26.1.6	14.4	15.31.6	49.6	Bq. ♄♀ 2.36 A
27	38.8	35.9	26.0	7	7.38.4	9.0	1.15.2	16.8	17.32.1	51.1	Δ ♄♀ 1.2 A
28	39.7	7	21.2	39.9	8.21.2	9.3	2.28.9	19.1	19.30.8	52.0	(♄♂♂ 11.33
29	40.0	4	15.1	40.1	9.3.9	8.8	3.42.5	21.3	21.26.8	D 51.0	Qn.♂♂ 4.13 A
30	16.41.6	35.1	5.9.0	0.3	9.46.5	8.3	4.56.1	0.23.6	23.21.0	1.49.6	Vig. ♄♂ 9.0 P
Junij	♁ S. D	♃ Ret. Or.	♂ M. D	♁ M. A	♁ M. A	♁ M. A	♁ M. A	♁ M. A	♁ M. A	♁ M. A	Temp. Alp. ARGENTI- NENSE.

Julii Motus LUMINARIUM correct. Anno 1629.

Styl. Ver. Nov.	Dics	Loc. ver. o / //	Cum s. Pla. Aspect. O. & Conjunct. D	D longitudo. D latitud.				D Phases seu Aspect cum O	Locus Ω		
				juxta hypotheses & calculum					Verus Tych. Kep.	Aequi- bilis	Ω
				TYCH.	KEP.	TYCH.	KEP.				
			Alp. Ho. Mi.	Sig. o / // / //	Pla. o / // / //	Asp. Ho. Mi.	I. Gr.	I. Gr.	Ω		
21	1	9.33.31		m 24.14.5	3.7	s 3.13.8	12.7	8. 1 K	40. 9	15. 1	1.12.8
Jun.	2	10.30.35		h 6.44.1	34.0	D 2.14.3	12.7	Qc. 7. 42 T	9	12. 8	9.6
23	3	11.27.39		19. 2.1	54.8	1. 9.7	7.6		9	10. 7	6.4
24	4	12.24.43	Vi. O. S. 23A	b 1.11.3	7.3	0. 2.7	0 1		8	8. 8	3.2
25	5	13.21.47	* O. S. 6.32A	13.13.6	13.4	VI. 3.7	6.7	♂ 0. 1 T	7	7. 2	1.0.1
26	6	14.18.51	(6.7 K)	25.10.3	14.0	2. 6.7	10.0	2 K	6	5. 8	0.569
27	7	15.15.56	♂ D. 6.20A	7.2.7	10.3	3. 3.8	7.0	28 K	5	4. 5	53.7
28	8	16.13.1	18.53.6	4.2	3.52.8	55.7	Qc. 5. 49. A	3	3. 6	50.5	
29	9	17.10.6	□ O. h. 5.23A	X 0.47.0	57.8	4.31.9	34.1	4 K	40. 0	2. 7	47.3
30	10	18.7.12		12.43.1	53.5	4.59.4	0.7	Δ 11. 24 T	39. 6	2. 2	44.2
Jul.	11	19.4.18		24.45.9	54.2	5.14.0	14.4		4	1. 9	41.0
2	12	20.1.25	8.13 AM)	V 6.58.9	4.0	A 5.14.6	14.3		39. 0	1. 8	37.8
3	13	20.58.32	Qd O. S. O. S.	19.26.5	27.3	5. 0.8	59.7	□ 2. 50 T	38. 6	2. 0	34.7
4	14	21.55.40	(5.2 I P)	8 2 13.7	10.0	4.31.9	30.3	49 K	38. 0	3	31.5
5	15	22.52.49	♂ D. 8.52 T	15.21.7	14.2	3.48.2	46.4	17 K	37. 4	2. 6	28.3
6	16	23.49.58	9.7 K	28.56.9	16.8	2.50.4	48.6	* 2. 0 A	36. 6	3. 2	25.1
7	17	24.47.8	(Dper. 8.56A	13.0.1	19.2	1.40.8	38.8	51 K	35. 7	3. 6	21.9
8	18	25.44.19	♂ D. 3.4	27.30.8	21.7	0.22.4	20.5	SS 8. 35 A	34. 7	4. 4	18.8
9	19	26.41.30		12.24.5	19.2	S 0.59.3	1.5	52 K	33. 6	5. 2	15.6
10	20	27.38.42	♂ D. 9.20 A	27.33.9	33.5	A 2.18.1	20.3	♂ 11.51 A	32. 5	6. 0	12.4
11	21	28.35.55	9.5 K	12.49.5	54.5	3.27.5	29.6	24 K	31. 4	6. 9	9.2
12	22	29.33.9		28.0.1	9 1	4.21.8	23.2	SS 0. 40 T	30. 2	7. 8	Ω 6 1
13	23	30.22		12.55.6	6.3	4.57.2	58.1	42 K	28. 9	8. 5	0. 2.9
14	24	1.27.38	4.58 A)	27.28.6	38.8	5.12.4	12.5	* 6. 59 T	27. 5	9. 2	29.59.7
15	25	2.24.54	♂ O. S. O. S.	11.34.7	12.1	D 5. 8.0	7.6		25. 9	9. 7	II 56.5
16	26	3.22.11	(10.27 T)	25.12.9	16.1	4.46.1	45.4		24. 1	10. 2	53.3
17	27	4.19.29	17 K	8.25.3	23.8	4. 9.5	8.9	□ 3. 42 A	22. 1	3	50.2
18	28	5.16.48		21.15.4	9.4	3.31.2	20.9	41 K	20. 0	10. 2	47.0
19	29	6.14.8	Qn. O. h. 2.19	3.46.6	37.7	2.24.3	24.4	Δ 4. 30. T	17. 9	9. 8	43.8
20	30	7.11.29	(A.M)	16. 3.6	53.0	1.21.9	22.2	48 K	15. 7	9. 3	40.6
21	31	8. 8.51		28. 9.1	58.4	0.16.8	17.3		13. 4	8. 7	29.37.4
Ver. Nov.											
Dics			STRASBUR- GI Meri. re.	Laticud. D max. Tych.					Lat. ♂ ♂ D.4	H.0.47	
Julii			spond. tem.	D.12 H.1.13 A	M.5.gr.16 m.7				♂ ♂ D.18.	H.6.17	
				D.24 H.2.37 P	S.5.gr.13 m.1				null. ♂ ♂ D.31.	H.5.54	

Julii

Julij Motus s. PLANETARUM Tychonico-Keplerian. Anno 1620. XXIII

St. nov.	♃ D. Oc.		♄ R. Or.		♅ D. Or.		♆ D. Or.		♇ D. Oc.		Eorundem Configurati-on. & Stat.	
	Long.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.		
Die	o / //	s. Gr	o / //	Gr.	o / //	Gr.	o / //	Gr.	o / //	Gr.	o / //	Min
1	42.8	35.9	5. 2.6	40. 5	10 29.1	7. 8	6. 9	0. 25.9	25. 13.5	1. 47.9		
2	44.1	34.6	4. 55.9	7	11. 11.6	7. 3	7. 23.4	28. 1	27. 3. 3	46. 0		
3	45.5	3	49. 0	40. 9	11. 54. 0	6. 8	8 37.1	30. 4	28. 51. 7	42. 9	Tridec. h ♄	
4	47.0	34. 0	42. 1	11. 1	12 36.3	6. 2	9. 50. 8	32. 6	28. 37. 2	39. 4	(9. 42 P)	
5	48.6	33.7	35. 2	3	13 18.6	5. 7	11. 4. 5	34. 8	2. 22. 1	35. 4		
6	50.3	5	28. 3	4	14. 0. 8	5. 1	12. 18. 2	36. 9	4. 4. 4	30. 8	♄ ♄ 4. 47	
7	52.1	2	21. 4	6	14. 42. 9	4. 6	13. 32. 0	39. 0	5. 44. 7	25. 6	(Qn. h ♄ 10. 54)	
8	53.9	33. 0	14. 5	11. 8	15. 24. 9	4. 0	14. 45. 7	41. 1	7. 22. 9	19. 9		
9	55.8	32.7	7. 6	12. 0	16. 6. 8	3. 4	15. 59. 4	43. 1	8. 59. 0	13. 8	* ♄ ♄ 5. 16	
10	57.7	44. 0	0. 7	2	16. 48. 6	2. 9	17. 13. 2	45. 1	10. 33. 1	7. 2	□ h ♄ Qc. h ♄	
11	59.7	32.2	3. 53. 7	4	17. 30. 4	2. 3	18. 27. 0	47. 0	12. 5. 1	1. 0. 2	6. 32. A. 5. 12 P	
12	7. 1. 8	11. 9	46. 6	6	18. 12. 1	1. 7	19. 40. 8	48. 9	13. 35. 1	0. 52. 8	Qd. ♄ ♄ 9. 26	
13	4. 0	7	39. 4	7	18. 53. 7	1. 1	20. 54. 0	50. 8	15. 3. 0	45. 0	♀ Occident.	
14	6. 3	4	32. 1	42. 9	19 35. 2	0. 4	22. 8. 5	52. 7	16. 28. 8	36. 7	* h ♄ 10. 47	
15	8. 8	2	24. 7	43. 1	20. 16. 6	1	0 23. 22. 3	54. 5	17. 52. 6	28. 0		
16	11. 4	31. 0	17. 1	2	20. 57. 8	0. 59	14. 36. 1	56. 3	19. 14. 2	19. 0	Trid. ♄ ♄ 9. 10	
17	14. 1	30. 7	9. 4	4	21. 38. 9	59. 5	25. 49. 9	58. 0	20. 33. 8	9. 7		
18	16. 9	43. 1	1. 6	6	22. 19. 9	57. 8	27. 3. 8	0. 59. 7	21. 51. 1	S 0 1	(□ ♄ ♄ 8. 2 A)	
19	19. 9	30. 2	2. 53. 6	7	23. 0. 8	57. 2	28. 17. 6	1. 1. 4	23. 6. 0	M 9. 9	♀ R. Velociff.	
20	22. 9	29. 9	45. 6	13. 9	23. 41. 6	56. 5	29. 31. 5	3. 0	24. 18. 5	D 20. 2	(Bq. h ♄ 11. 51)	
21	26. 0	7	37. 7	14. 0	24. 22. 3	55. 8	29. 45. 4	4. 6	25. 28. 6	30. 7		
22	29. 5	5	29. 8	2	25. 2. 9	55. 1	1. 59. 3	6. 1	26. 36. 4	31. 4	♄ ♄ 8. 2	
23	32. 3	3	22. 0	3	25. 43. 4	54. 4	3. 13. 2	7. 9	27. 41. 7	0. 52. 2	☉ in ♄ 0. 8 A	
24	35. 6	29. 0	14. 3	4	26. 23. 9	53. 7	4. 27. 1	9. 0	28. 44. 4	1. 3. 2	(♀ max. clon.)	
25	38. 9	38. 8	2. 6. 6	6	27. 4. 3	53. 0	5. 41. 0	10. 4	29. 44. 3	14. 5	Qn. h ♄ 11. 0 A	
26	42. 3	61. 59. 0		7	27. 44. 6	52. 3	6. 55. 0	11. 7	mp 41. 3	26. 0	(Qd. ♄ ♄ 4. 22)	
27	45. 8	3	51. 5	8	28. 24. 8	51. 6	8. 9. 0	12. 9	1. 35. 0	37. 7	Qc. ♄ ♄ 6. 30	
28	49. 4	8. 1	43. 5	14. 9	29. 4. 8	50. 9	9 23. 0	14. 1	2. 25. 8	1. 49. 5	Sq. h ♄ 12. 46	
29	53. 1	17. 5	36. 2	15. 0	29. 44. 7	50. 1	10. 37. 0	15. 2	3. 12. 9	2. 1. 3	A. M	
30	57. 56. 9	6	28. 9	1	II 24. 5	49. 3	11. 51. 0	16. 2	3. 57. 1	13. 1	(Qn. ♄ ♄ 11. 9)	
31	18. 0. 8	27. 4	1. 20. 9	15. 2	2. 4. 2	48. 5	13. 5. 0	1. 17. 2	4. 38. 2	2. 24. 9	Δ ♄ ♄ 8. 17	
lim	♃	/ //	♄	/ //	♅	/ //	♆	o / //	♇	o / //	URANIBURGI	
	Dir. Oc.	2. Gr.	Ret. Oc.	o Gr	Dir. Or.	o Gr.	Dir. Oc.	Sept.	Dir. Oc	Mer.	Merid. Add.	
	h	S. D	♄	M. D	♄	M. A	♀	Ascen	♄	Defc.	17. mi.	

Styl. Ver.	Nov. Loc. ver Q	Cum 5. Plan. Aspet. ☉ & Conjunct. ☽	longitud. latitud.				Phales sen Aspect cum ☉	Locus ☽			
			juxta hypotheses & calculum					Tych. Rep.	Verus Tych. Rep.	Equa- bilis	
			Tych.	Rep.	Tych.	Rep.					
Dies	o / //	Asp. Hor. Mi.	sig. o / //	/ //	Pla. o / //	/ //	Alp. Ho. Mi.	I. Gr.	☽	II	
22 Jul.	1 9. 6. 14 2. 0. 3. 38	(5. 56. K)	10. 8. 9 22. 2. 6	59. 8 55. 3	MO. 48. 5 1. 51. 0	48. 0 50. 6	Qc. 9. 27 A 47 K	11. 2 8. 8	7. 9 6. 7	29. 34. 3 31. 1	
24	3 11. 1. 3	♂ ☽ 5. 48 A	3. 55. 9	52. 9	2. 48. 4	48. 3	46 K	6 3	5. 1	27. 9	
25	4 11. 58. 39	☽ apo. 3. 36 A	15. 49. 0	50. 4	3. 38. 4	38. 5	♂ 1. 48 A	3. 7	3. 2	24. 8	
26 ☉	5 2. 55. 57	☽ d. ☉ 2. 22	27. 42. 2	47. 4	4. 18. 8	19. 1	23 K	1 1 1 1		21. 6	
27	6 3. 53. 26		19. 39. 7	48. 1	4. 48. 1	48. 4	Qc. 6. 37 I	0 58 0 58		18. 4	
28	7 14. 50. 56		21. 42. 2	52. 5	5. 4. 9	5. 0		54. 9	54. 9	15. 2	
29	8 15. 48. 27		3. 51. 5	2. 3	5. 8. 1	8. 0		51. 4	51. 1	12. 0	
30	9 16. 46. 0		16. 10. 3	19. 9	4. 57. 2	57. 0	Δ 0. 57 I	47. 7	46. 9	8. 9	
31	10 17. 43. 34		28. 39. 8	16. 6	4. 32. 2	31. 8	38 K	14. 0	42. 4	5. 7	
Aug. 11	18. 41. 10	* ☉ h Vi. ☉ ☽	11. 24. 8	27. 5	3. 53. 3	53. 0	T. & K	40. 2	37. 5	29. 2. 5	
2 ☉	12 19. 38. 47	3. 2 10. 19	24. 28. 5	26. 6	3. 1. 5	1. 6	□ 2. 9 A	36. 2	32. 4	28. 59 3	
3	13 20. 36. 26	♂ ☽ 2. 35 I	7. 54. 4	48. 2	1. 58. 4	58. 5	40 K	32. 2	27. 1	56. 2	
4	14 21. 34. 6	47 K	21. 45. 4	36. 0	0. 46. 5	46. 8	* 11. 22 A	28. 2	21. 5	53. 0	
5	15 22. 31. 47		6. 3. 9	53. 2	50. 30. 3	30. 1	34 K	24. 1	15. 7	49. 8	
6	16 23. 29. 31	☽ n ☉ 3. 14 A	20. 47. 9	38. 1	1. 47. 4	47. 5	SS 4. 18 I	20. 0	9. 7	46. 6	
7	17 24. 27. 14	☽ perig. 8. 15	5. 51. 6	45. 2	2. 58. 3	58. 0	55 K	5. 8	☽ 0	43. 4	
8	18 25. 25. 0	(♀ 6. 0 A. M)	21. 7. 6	6. 0	3. 57. 4	58. 1	♂ 6. 56 I	11. 0	II	40. 3	
9 ☉	19 26. 22. 48	♂ ☽ ☽ ☽ ♀	6. 24. 4	28. 1	4. 39. 5	40. 1	31 K	7. 2	29. 6	37. 1	
10	20 27. 20. 37	(☽ 11. 57 A. M)	21. 30. 4	38. 4	5. 15	1. 8	SS 9. 52 I	☽ 0	43. 6	33. 5	
11	21 28. 18. 28	(11. 51 K)	6. 15. 7	26. 2	5. 2. 7	2. 4		II	36. 0	30. 7	
12	22 29. 16. 20	♂ ☽ h ☽ ☉ ☽	20. 33. 1	43. 6	4. 44. 8	43. 8		29. 6	29. 4	27. 6	
13	23 14. 14	10. 21 A 7. 39	4. 19. 8	28. 3	4. 10. 7	9. 0	* 4. 3 A	47. 8	22. 6	24. 4	
14	24 1 12. 10	10. 4 K P. M	17. 37. 0	41. 8	3. 23. 9	21. 8	3. 46 K	42. 6	15. 0	21. 2	
15	25 2. 10. 8		0. 27. 0	27. 5	2. 28. 2	25. 9	3. 18 I	57. 3	7. 8	18. 0	
16 ☉	26 3. 8. 7		12. 55. 0	51. 6	1. 26. 0	24. 5	T & K	32. 0	29 1	14. 8	
17	27 4. 6. 8	Bq. ☉ 5. 46	25. 6. 7	59. 5	0. 23. 0	20. 7	37 K	26. 6	28 53	11. 7	
18	28 5. 4. 11	Bq. ☉ h 6. 12	7. 6. 9	56. 9	MO. 41. 2	43. 2	Δ 7. 16 A	21. 1	46 2	8. 5	
19	29 6. 2. 16	39 K	18. 59. 9	49. 3	DI. 42. 4	44. 5		15. 5	39. 2	5. 3	
20	30 7. 0. 23	♂ ☽ 6. 18 A	0. 50. 5	10. 1	2. 39. 0	41. 1	39 K	9. 7	32. 3	28. 2. 1	
21	31 7. 58. 32	☽ apog. 4. 54	12. 41. 3	33. 2	3. 28. 7	30. 0	Qc. 1. 19 A	3. 9	25. 6	27. 59 0	
Ver. Nov. Dies	o / // mp	Temp. med. ARGENTO- RATENSE.	Latitud. ☽ max. Tych. D. 8. H. 8. 52 A M. 5. gr. 8. mi. 6 D. 21. H. 2. 29 A S. 5. gr. 4. mi. 7				Lat. ☽ null.				Die Hor. Mi. ☽ 15. 2. 15 A ☽ 27. 8. 19 P

August. Motus ꝑ PLANETARUM Tyconico-Keplerian. Anno 1629.

St. nov.	♄ D. Oc.		♃ R. Oc.		♂ D. Or.		♀ D. Oc.		♁ D. Or.		Eorundem Configurati-on. & Stat.
	Long.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	
Dies	o / //	2. Gr.	o / //	o Gr.	o / //	o Gr.	o / //	o / //	o / //	o / //	Asp. Hor. Min.
1	18.48	27.1	113.2	45.4	1.43.8	47.7	44.19.0	1.18.2	5.15.8	2.36.7	(6.55 P)
2	8.9	26.9	1.55	5	2.23.2	46.9	15.33.0	19.2	5.49.2	48.4	
3	13.0	6	0.57.9	6	3.2.5	46.1	6.47.0	20.1	6.17.8	2.59.9	Trioct. ♄♂
4	17.2	4	50.2	7	3.41.7	45.3	18.1.1	20.9	6.41.2	3.11.3	*♄♀ Bq. ♃♁
5	21.5	2	42.0	8	4.20.8	44.4	19.15.1	21.7	7.0.6	22.4	♄. 16 7.43
6	25.8	26.0	35.1	15.9	4.59.8	43.6	20.29.2	22.4	16.0	33.1	Vig. ♁♂ 5.19 A
7	30.2	25.8	22.7	46.0	5.38.6	42.7	21.43.3	23.0	26.2	43.4	Stat. ♁ Retr.
8	34.7	6	20.4	1	6.17.3	41.9	22.57.3	23.6	31.2	3.53.3	
9	39.2	4	13.2	2	6.55.9	41.0	24.11.4	24.1	R 31.0	4.2.5	in Sq. ♄ plat.
10	44.8	2	0.6.2	2	7.34.4	40.2	25.25.5	5	24.9	11.0	□ ♁♂ 7.9 A
11	48.5	25.0	29.59.3	3	8.12.8	39.3	26.39.6	24.8	7.14.3	18.7	
12	53.3	24.8	♄ 52.8	4	8.51.0	38.4	27.53.7	25.1	6.57.0	25.5	
13	8.58.1	6	45.8	5	9.29.1	37.5	29.7.8	3	34.6	31.1	
14	19.3.0	4	39.1	6	10.7.0	36.6	♄ 21.9	1.25.5	6.6.6	35.3	
15	8.0	2	32.5	6	10.44.8	35.7	1.36.0	Sept.	5.33.0	38.2	Bq. ♃♁ 0.4
16	13.0	24.0	26.0	7	11.22.4	34.8	2.50.1	Desc.	4.54.0	M40.0	1.3 4.3 I
17	18.1	23.8	19.6	8	11.59.9	33.8	4.4.3	1.25.5	4.11.0	A 39.5	♄♀♁ Sq. ♄♀
18	23.3	6	13.3	8	12.37.3	32.8	5.18.5	4	3.24.6	37.7	Bq. ♃♀ 10.10 A
19	28.6	4	7.1	9	13.14.6	31.8	6.32.7	2	2.35.1	34.3	(6.25 P)
20	33.9	2	29.0.9	9	13.51.7	30.8	7.46.8	25.0	1.42.6	28.8	Trioct. ♃♂
21	39.3	23.8	28.54.1	9	14.28.6	29.7	9.1.0	24.7	♄ 48.3	21.5	♁ Oriental.
22	44.8	22.5	48.9	16.9	15.5.4	28.7	10.15.2	24.3	29.53.4	12.1	♀ R. Velociff.
23	49.4	7	43.2	47.0	15.42.0	27.7	11.29.4	23.9	♁ 59.1	1.1	♄ in ♄ 5.31 A
24	19.55.0	6	37.7	0	16.18.5	26.7	12.53.6	23.4	28.6.7	3.48.4	Qn. ♄♁ 8.32 A
25	20.0.7	4	32.4	0	16.54.8	25.6	14.7.7	22.8	27.17.3	34.2	(1.39 A)
26	5.5	2	27.3	0	17.31.0	24.6	15.21.9	22.2	26.31.6	18.5	Vigint. ♁♁
27	11.4	22.0	22.5	0	18.7.0	23.6	16.36.1	21.5	25.50.8	3.1.5	
28	18.3	21.9	17.9	1	18.42.8	22.6	17.40.3	20.8	25.16.1	2.43.9	(Qd. ♁♁ 8.50 A)
29	24.2	7	13.4	1	19.18.5	21.5	18.54.5	20.0	24.48.3	25.5	2.36 A 6.9 P
30	30.2	6	9.0	1	19.54.0	20.4	20.8.7	19.2	28.1.2	2.6.7	□ ♄♀ SS. ♄♀
31	20.36.2	21.4	28.4.7	47.1	20.29.3	19.3	21.22.9	1.18.3	24.16.1	1.47.7	△ ♄♂ 5.24
Augult.	♄	/ //	♃	/ //	♂	/ //	♀	o / //	♁	o / //	Motus æqv.
	Dir. Oc.	2. Gr.	Ret. Oc.	o Gr.	Dir. Or.	o Gr.	Dir. Oc.	Sept.	Ret. Or.	Mer.	URANIBUR-
	♄	S. D.	♃	M. D.	♂	M. A.	♀	Desc.	♁	Afc.	GICI.

Styl. Ver.	Nov. Dies	Loc. ver. np	Cum s. Plan. Aspect. ☉ & Conjunct. ☽	D longitudo. D latitud.				D Phales seu Aspect cum ☉.	Locus ☽		
				juxta hypotheses & calculum					Verus Tych. Kep.	Æqua- bilis	
				Tych.	Kep.	Tych.	Kep.				
			Asp. Hor. Mi.	Sig. o / //	Pl. o / //	Alp. Ho. Mi.	28.	Gr.	II		
22	1	8.56.43		24.35.1	30.2	M4. 9.4	11.0	T & K	57. 9	19. 2	27.55.8
Aug. ☉	2	9.54.56		X 6 24.1	33.0	D4.39.3	40.5	☽ 6. 57.P	51. 8	13. 0	52.6
24	3	10.53.11		18.39.2	41.2	4.56.9	57.5		45. 6	6. 9	49.4
25	4	11.51.28		Y 0.51.8	58.5	Δ 5. 1.1	1.0		39. 3	28 1	46.3
26	5	12.49.47		13.12.3	21.7	4.51.4	50.4	QC.10.55A	33. 0	27.0	43.1
27	6	13.48. 8		25.41.9	52.7	4.27.8	25.8	36 K	26. 6	50. 1	39.9
28	7	14.46.31		8 8.21.5	31.9	3.50.7	48.1	Δ 12 41 P	19. 1	44. 9	36.7
29	8	15.44.56		21.12.9	21.1	3. 1.4	58.4	22 K	13. 7	40. 0	33.5
30 ☉	9	16.43.23	Vig. ☉ ☽ fere	14.18.7	23.5	2. 1.6	58.7	T & K	7. 1	35. 3	30.4
31	10	17.41.52		17.40.1	10.2	0.54. 5	1.5	□ 11.46 Δ	28 1	30. 9	27.2
Sept.	11	18.40.23	☽ ☽ 3. 18 A	11.21.7	16.9	0 18.2	20.1	31 K	2 0	26. 7	24.0
	12	19.38.55	24 K	15.25.6	17.1	A 1.31.2	32.5	* 7.15 I	47. 4	22. 7	20.8
	13	20.37.29		29.51.5	10.9	2.40.2	41.0	54 K	40. 7	18. 9	17.7
	14	21.36. 5	Dperi. II. 33 A	Q 14.37.6	27.4	3.40.0	40.5	S. 11.39 I	34. 0	15. 2	14.5
	15	22.34.44	SS ☉ bo 48 A	29.37.9	30.3	4.25.6	25.9		27. 2	11. 7	11.3
	16	23.33.25	☽ ☽ I. 34 A	mp 4 43.4	40.3	4.52.9	53.0		20. 5	8. 3	8.1
	17	24.32. 9	Vi. ☉ ☽ 9.38	39.43.0	45.0	U 4.59.8	59.7	☽ 2 50 A	13. 8	5. 0	4.9
	18	25.30.55	☽ ☽ 8.29 A	14.28.6	35.1	4.46.4	46.1	T & K	7. 0	27 2	27. 1.8
	19	26.29.43	☽ ☽ B 1.17 A	28 49 4	59.0	4.15.1	14.0	S. 7 32 A	27. 0	26. 0	26 58.6
	20	27.28.32	Δ ☉ Z 6.28 A	m 2.41.7	52.4	3.29.5	28.9	16 K	26. 0	55. 4	55.4
	21	28.27.23	☽ ☽ 1.44 A.K	26. 4.1	13.9	2.33.5	33.2	* 6. 07	46. 7	52. 2	52.2
	22	29.26.16	☽ ☽ 8.19 A.K	8.58.8	5.9	1.31.4	31.5	5.43 I	40. 0	49. 0	49.1
	23	25.12	☽ ☽ 1.3 A.K	21.29.2	32.6	0.26.3	27.3	50 K	33. 2	45. 7	45.9
	24	1.24.10	(ad præc. di.)	13.40.9	40.1	M 0.37.9	36.5	□ 6.51 I	25. 5	12. 3	42.7
	25	2.23.11	38 K	15.39.7	34.9	U 1.39.6	37.0		19. 8	38. 8	39.5
	26	3.22.14	☽ ☽ Z 11.12 A	27.31.1	22.9	2.36.3	34.0		13. 0	35. 1	36.3
	27	4.21.19	Dapo. 18.13 P	29.20.0	9.8	3.26.0	23.8	Δ 0 41 A	6. 3	31. 2	33.2
	28	5.20.26	V. ☉ ☽ ☽ ☽	21.10.7	59.9	4. 6.9	4.9	z. 2 A	59. 0	27. 2	30.0
	29	6.19.35	8.57 11.2	X 3. 6.8	57.1	4.37.2	35.8	QC. 6.40 I	53. 0	23. 0	26.8
	20	7.18.47		15.11.3	3.8	4.55.6	54.9	7. 0 K	46. 4	18. 4	26.23.6
									25. G	26. G	0 / //
Ver. Nov.		o / //	Pro Merid.	Latitud. D max. Tych.				Lat. D null.			
Dies		☽	Uraniburg.	D.4.H.10.13A M.5.gr.1.mi.4				☽ ☽ D.11.H.5.41 A.			
Sept.		☉	add. 17. mi.	D.17.H.11.4A S.5.gr.0.mi.0				☽ ☽ D.23.H.9.33 P.			

Septemb. Motus 5. PLANETARUM Tychonico-Keplerian. Anno 1629.

St nov.	♄ D. Oc.		♃ R. Or.		♂ D. Or.		♀ D. Oc.		♁ D. Or.		Eorundem Configurati- on. & Stat.
	Long.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	
	♄	♄	♃	♃	♂	♂	♀	♀	♁	♁	
Dies	o / //	z Gr. o / //	o Gr	o / //	o Gr.	o / //	o / //	o / //	o / //	o / //	Asp. Hor. Min.
1	20.42.2	1.28.0.5	47.1	21.4.4	18.1	22.32.2	1.17.3	24.12.4	1.28.7	stat. ♀ Dir. in	
2	48.3	1.27.56.5	1	21.30.3	16.9	23.51.4	16.2	17.4	1.9.9	* ♄♂♃♁ pl.	
3	20.54.4	21.0	52.6	1	22.34.0	15.8	25.5.6	15.1	31.7	0.51.4	♄♃♁♂♁♂♁
4	21.0.6	08	48.8	2	22.48.6	14.6	26.19.9	13.9	24.54.7	33.5	10.8 10.25.8
5	6.8	7	45.2	2	23.23.0	13.4	27.34.2	12.6	25.26.6	16.1	Δ ♄♃ 2.49
6	13.0	6	41.8	2	23.57.2	12.2	28.48.4	11.2	26.6.5	M 0.8	
7	19.3	4	38.0	2	24.31.0	11.0	29.2.6	9.8	26.55.6	14.3	(♀ D. Velociff.
8	25.6	3	35.6	47.2	25.4.8	9.8	1.16.9	8.3	27.52.1	32.4	
9	32.0	2	32. Mer.	25.3	4	2.31.2	6.8	28.56.0	41.4		Vig. ♄♃ 9.12A
10	38.	1	30.2 Asc.	26.11.5	7.4	3.45.5	5.2	♄♃ 6.0	0.53.3		(♁ max. elong
11	44.5	20.0	27.5	47.2	26.45.2	6.2	4.59.8	3.6	1.23.9	1.4.0	
12	51.	9.8	25.8	2	27.18.3	4.0	6.14.0	2.0	2.46.7	13.5	Qc. ♄♃ 4.53
13	57.5	7	23.5	2	27.51.2	3.7	7.28.2	1.0.3	4.14.0	21.7	Bq. ♄♃ 10.10
14	22.4.5	6	22.2	2	28.23.5	2.4	8.42.5	0.58.6	5.46.9	28.9	
15	11.1	5	27.20.7	1	28.56.2	1.1	9.56.7	56.8	7.23.1	35.1	♄♃♁ 8.25
16	17.7	4	19.3	1	29.28.3	Sept.	11.10.5	54.9	9.2.0	40.2	
17	24.4	3	18.1	1	30.0.2	1.0	12.25.2	53.0	10.44.7	44.0	
18	31.1	2	17.1	1	0.31.9	3.9	13.39.4	51.0	12.29.3	46.5	2n. ♄♃ 0.38
19	37.9	19.0	16.2	1	1.3.3	4.2	14.55.6	48.9	14.15.9	48.0	
20	44.7	18.9	15.5	0	1.34.4	5.5	16.7.8	46.7	16.3.5	49.0	SS. ♄♃ 2.46
21	51.5	8	15.0	0	2.5.5	6.8	17.22.0	44.5	17.51.6	49.9	(in □ ♄♃ plat.
22	22.58.2	7	St. 14.8	0	2.36.2	8.2	18.36.3	42.3	19.40.1	49.4	stat. ♄ Dir.
23	23.5.2	6	D. 14.8	47.0	3.6.6	9.6	19.50.5	40.1	21.29.5	49.0	♁ in ♄ 1.27A
24	12.1	6	14.5	46.9	3.36.8	11.0	21.4.7	37.9	23.19.8	47.8	♄♃ 9.56A
25	19.0	5	15.2	9	4.6.7	12.5	22.18.9	35.7	25.9.8	45.5	♀ D. Velociff.
26	26.0	4	15.8	9	4.36.3	13.0	23.33.2	33.5	26.59.4	41.5	♄♃ Δ ♄♃
27	33.0	3	16.7	8	5.5.6	13.5	24.47.4	31.3	28.48.6	38.0	♄.9. A 3.21P
28	40.7	2	17.7	8	5.34.7	17.0	26.1.6	29.1	30.37.2	34.0	Trid. ♄♃ 6.9
29	47.1	2	18.8	7	6.3.5	18.5	27.15.8	26.9	2.25.3	29.8	□ ♄♃ 0.45
30	23.54.2	18.1	27.20.1	46.7	6.32.0	20.0	28.30.0	0.24.6	4.12.8	1.25.2	Quindec. ♄♃ 12.19P.
Septemb.	♄	/ //	♃	/ //	♂	/ //	♀	o / //	♁	o / //	Meridiano
	Dir. Oc.	z Gr.	Dir. Oc.	o Gr.	Dir. Or.	o Gr.	Dir. Oc.	Sept.	Di. Or.	Sept.	Strasburg, re-
	♄	S. D	♃	M. A	♂	S. A	♀	Desc.	♁	Desc.	spond. temp.

Octob. Motus s. PLANETARUM Tychonico-Keplerian. Anno 1629.

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Nov.	♄ D. Oc.		♃ D. Oc.		♂ D. Or.		♀ D. Oc.		♁ D. Or.		Eorundem Configurati- on. & Stat.
	Long.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	
Dies	o / //	z. Gr.	o / //	o Gr.	o / //	o Gr.	o / //	o / //	o / //	o / //	Asp. Hor. Min.
1	24.1.3	18.1	27.21.6	16. 6	7. 0.221.	6	29.44.2	0.22.3	5. 59.8	1.20 3	Vig. ♄♁ 0.5 P
2	8.4	0	23.3	6	28.123.	2	♄ 58.4	19.9	7.46.0	15.1	♁♂♁ 6.14 A
3	15.5	0	25.2	5	7.55.7	24. 8	2.12.6	17.4	9.31.3	9.8	
4	22.6	18.0	27.3	5	8.22.9	26. 4	3.26.8	14.8	11.15.8	1.45	♁ Occident.
5	29.7	17.9	29.0	4	8.49.8	28. c	4.41.0	12.1	12.59.7	0.59.0	
6	36.9	9	32.1	4	9.16.4	29. 6	5.55.2	9.4	14.42.9	52.9	
7	44.1	8	34.8	3	9.42.7	31. 3	7. 9.4	6.6	16.25.3	46.2	
8	51.3	8	37.7	3	10. 8.6	33. 0	8.27.6	0. 4.0	18. 6.9	39.6	
9	58.5	7	40.8	2	34.2	34. 7	9.37.8	S. 1.5	19.47.8	33.1	
10	25.5.7	7	44.1	2	10.59.5	36. 4	10.52.0	M 1.5	21.28.0	26.5	♁♂♁ 3.22
11	12.9	7	47.0	2	11.24.4	38. 1	12. 6.2	0. 4.2	23. 7.4	19.9	11.32 A 8.42 P
12	20.1	0	51.2	1	11.48.9	39. 9	13.20.4	6.9	24.46.1	0.13.1	Vig ♄♁♂♁
13	27.3	6	55.0	1	12.13.0	41. 7	14.34.5	9.6	26.24.2	5. 6.5	Vig. ♁♁♁ 10.20
14	34.5	6	27.59.0	1	12.36.7	43. 5	15.48.6	12.2	28. 1.6	M 0.2	♁♁♁ Qn. ♁♁
15	41.8	5	28. 3.3	0	13. 0.1	45. 3	17. 2.7	14.9	29.38.3	0. 6.9	11.19 3.18
16	49.0	5	7.8	+6. 0	23. 1	47. 1	18.16.9	17.0	♄ 14.4	13.7	A.M P. M
17	25.56.5	5	12.4	+5. 9	13.45.7	48. 9	19.31.0	20.3	2.49.8	20.5	
18	26.3.0	5	17.2	9	14. 7.8	50. 8	20.45.1	22.9	4.24.6	27.2	
19	10.9	17.5	23.1	8	29.5	52. 7	21.59.2	25.6	5.58.5	33.9	♄ Oriental.
20	18.2	rep.	28.2	8	145.0.8	54. 6	23.13.3	28.3	7.32.8	40.4	
21	25.5	Afc.	33.4	7	15.11.7	56. 6	24.27.4	31.0	9. 6.1	46.9	♄ D. Velociff.
22	32.8	17.5	38.8	7	32.1	58. 6	25.41.5	33.6	10.38.8	53.4	(SS. ♄♁ 6.9 A
23	40.1	5	43.4	6	15.52.0	1. Gr.	26.55.6	36.2	12.11.0	0. 59.8	♁ in m 7. 38 A
24	47.4	5	49.2	6	16.11.4	2. 6	28. 9.6	38.9	13.43.2	1. 6.1	1. 39 A 6.0 A
25	26.54.7	6	28.55.1	6	30.2	4. 7	29.23.7	41.6	15.14.8	12.3	*♁♁ Vig. ♄♁
26	27.1.9	6	29. 1.2	5	16.48.6	6. 8	37.8	44.3	16.45.8	18.3	Qn. ♁♁♁♁♁
27	9.1	6	7.5	5	17. 6.4	8. 9	1.51.8	47.1	18.15.9	24.3	4. 8 P 0.45
28	16.3	6	13.9	4	23.7	11. 1	3. 9.9	49.9	19.45.3	30.1	
29	23.5	7	20.5	4	40.5	13. 3	4.20.0	52.6	21.14.0	35.7	
30	30.7	7	27.3	3	17.56.8	15. 5	5.34.1	55.3	22.42.2	41.2	
31	27.37.9	17.7	29.34.2	+5. 3	18.12.6	17. 7	6.48.1	0.58.0	24.10.2	1.46.5	
Or.	♄	♃	♂	♁	♁	♁	♁	♁	♁	♁	Tempori add.
	Dir. Or.	z. Gr.	Ret. Oc.	o Gr.	Dir. Or.	1 Gr.	Dir. Oc.	Mer.	Dir. Oc.	Mer.	17. min. pro Uraniburg.
	♄	S. A	♁	M. A	♂	S. A	♀	Desc.	♁	Desc.	

Novemb. Motus LUMINARIUM correct.

Anno 1629.

Stryl. Vet.	Nov.	Loc. ver. m	Cum s. Plan. Aspect. ☉. & Conjunct. ☽	D longitudo. D latitud.				D Piasces feu Aspect. cum ☉	Locus ☽				
				juxta hypotheses & calculum					Tych. Kep.	Tych. Kep.	Tych. Kep.	Verus Tych. Kep.	Æqua- bilis
				TYCH.	KEP.	TYCH.	KEP.						
Dies	o / //	Alp. Hor. Mi.		Sig. o / // / //	Pla. o / // / //	Asp. Ho. Mi.	23	23	II				
22	1	9.11.50		♂ 14.16.518.0	M 3.13.7	13.0	♂ 1.38 A	2.3	22G.	24 42.0			
Oct.	2	10.12.11		27.35.741.6	A 2.12.9	12.4	39K	22G.	59:1	38.8			
24	3	11.12.34		II 11.6.916.1	I. 3.0	2.8	QC. 11.54 A	56.3	56.5	35.6			
25	4	12.12.58	Vig. ☉ ♀ 13.52	24.48.258.8	S 0.10.9	11.3	36K	53.0	54.3	32.4			
26	5	13.13.24	♂ ♀ 16.17.K.A	♂ 8.37.247.3	A 1.24.5	25.3	♂ 8.16 T	51.1	52.4	29.3			
27	6	14.13.52	♂ ♀ SS. ☉ ♀	22.33.040.5	2.34.4	34.8	7.59K	48.7	1.0	26.1			
28	7	15.14.21	(3.5	♂ 6.34.037.3	3.35.4	45.4	T. & K	46.4	50.2	22.9			
29	8	16.14.52	♂ peri. Vi. ☉ ♀	20.40.138.3	4.23.9	23.0	□ 3.37 A	44.	19.6	19.7			
30	9	17.15.25	2.10) 8.38	mp 4.50.544.2	4.56.5	56.2	34K	42.0	49.2	16.5			
31	10	18.16.0		19.2.553.9	5.11.2	11.1	* 10.18.A	39.9	48.9	13.4			
Nov.	11	19.16.37	♂ ♀ 4.15 A	♂ 3.16.75.9	D 5.6.8	7.1	17K	37.8	48.8	10.2			
2	12	20.17.15	♂ ♀ 7.6 P	17.25.716.0	4.43.7	44.5	SS. 5. c. T	35.8	49.0	7.0			
3	13	21.17.55	♂ ♀ 7.47 A	m 1.26.419.4	4.38	5.0		34.1	49.0	3.8			
4	14	22.18.37	(8.0 P	15.13.410.8	3.10.1	11.6		32.5	50.3	21.0.7			
5	15	23.19.21	42K	28.43.945.8	2.6.7	8.2	♂ 1.20 A	31.1	51.1	23.57.5			
6	16	24.20.7	♂ ♀ 7.57 T	11.55.31.4	0.57.9	59.3	T. & K	30.0	52.1	54.3			
7	17	25.20.54	♂ ♀ 6.0 T	24.46.956.0	M 0.12.6	11.3	♂ 0.54 T	28.9	53.2	51.1			
8	18	26.21.42	5.40 K	♂ 7.19.830.4	D 1.20.8	19.4	37K	27.0	54.3	48.0			
9	19	27.22.32	(Qd. ☉ ♀ plat.	19.36.146.0	2.23.8	22.4	16K	20.9	55.4	44.8			
10	20	28.23.23	♂ ♀ 1.13 T	1.39.618.1	3.19.4	17.8	* 4.37 A	25.9	56.4	41.6			
11	21	29.24.16	(0.49 K	13.33.739.4	4.56	4.0	T. & K	25.1	57.4	38.4			
12	22	29.25.10	SS. ☉ ♀ apo.	25.23.835.0	4.40.8	39.5	□ 10.51 P	24.4	58.2	35.2			
13	23	1.26.0	♂ 15 A 8.50 A	♂ 7.14612.2	5.4.5	3.0		23.7	58.8	32.1			
14	24	2.27.3		19.11.25.0	5.15.2	15.0		23.3	59.4	28.9			
15	25	3.28.1	* ☉ ♀ 2.42 A	Y 1.18.29.0	♂ 5.12.1	12.7	♂ 4.18 T	23.0	59.8	25.7			
16	26	4.29.1		13.39.829.0	4.54.7	56.2	38K	22.8	23G.	22.5			
17	27	5.30.2		26.19.18.0	4.22.7	25.1	26K	622G.	19.4				
18	28	6.31.4		♂ 9.1859.7	3.36.5	39.5	QC. 6.7 A	459.8	16.2				
19	29	7.32.7	Vi. ☉ ♀ 5.44 A	22.38.433.3	2.37.4	40.8	T. & K	459.3	13.0				
20	30	8.33.11		II 6.17.616.8	1.28.0	31.3	♂ 3.55 P	22.4	58.5	23.9.8			
								22G.	22G.	0 / //			
Ver. Nov.	o / //												
Dies	+	Pro Urani- burg. temp.		Latitud. D max. Tych.					Lat. D null.				
Nov.	☉	add. 17. mi.		D. 10 H. 2.37. P S. 5. gr. 11 mi. 9					♂ ☽ D. 4 H. 8. 21 A				
				D. 24 H. 2.56 P M 5. gr. 15 mi. 7					♂ ☽ D. 17 H. 7. 26 A				

Novemb. Motus ꝑ PLANETARUM Tychonico-Keplerian. Anno 1629.

St. nov.	♄ D.Or.		♃ D.Or.		♂ D.Or.		♀ D.Or.		♁ D.Or.		Eorundem Configurati-on. & Stat.
	Long.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	
Dir.	♄ S. A	♃ M. A	♂ S. A	♀ M. D	♁ M. D	Asp. Hor. Min.					
1	17.45.1	17.8	29.41.3	45.3	18.27.7	20.0	8.2.1	1.0.6	25.38.0	1.51.6	(A.M)
2	52.3	8	48.6	2	42.3	22.2	9.16.1	3.2	27.5.2	1.56.5	
3	27.59.4	8	29.56.0	2	18.56.3	24.5	10.30.1	5.7	28.31.7	2.1.2	SS. ♄ ♁ 1.57.
4	18.6.5	9	3.6	2	19.9.7	26.8	11.44.0	8.2	29.57.4	5.7	* ♃ ♁ 1.38 P
5	13.6	17.9	0.11.3	1	22.4	29.2	12.58.0	10.6	♄ 22.5	9.9	Sq. ♄ ♁ Bq. ♂ ♁
6	20.7	18.0	19.1	1	34.5	31.6	14.12.0	13.0	2.47.0	13.8	5.19.(9.10)
7	27.8	0	27.1	0	46.1	34.0	15.26.0	15.3	4.10.9	17.3	Sq. ♃ ♁ 0.7
8	34.8	1	35.2	0	19.57.0	36.5	16.39.9	17.5	5.34.1	20.5	
9	41.8	2	43.5	45.0	20.7.3	39.0	17.53.8	19.7	6.56.4	23.5	
10	48.8	3	0.51.9	44.9	16.9	41.5	19.7.7	21.9	8.17.6	26.1	
11	8.55.8	4	1.0.4	9	25.7	44.0	20.21.6	24.0	9.37.6	28.2	
12	19.2.7	4	9.1	8	33.7	46.6	21.35.5	26.1	10.56.3	29.9	
13	9.6	5	17.5	8	40.9	49.1	22.49.3	28.2	12.13.7	31.2	
14	16.5	6	26.9	8	47.3	51.6	24.3.1	1.30.3	13.29.7	2.32.1	4.24 A)
15	23.4	7	35.1	7	53.1	54.2	25.16.9	32.4	14.43.9	Δ 32.5	Sq. ♄ ♁ Bq. ♂ ♁
16	30.3	7	45.4	7	20.58.5	56.9	26.30.7	34.5	15.55.9	2.32.0	(3.2 P)
17	37.1	8	1.54.8	7	21.3.3	1.59	27.44.5	36.5	17.5.8	31.0	Sq. ♃ ♁ 7.21 A
18	43.7	18.9	2.4.3	7	7.7	2.2	28.58.3	38.4	18.13.0	29.4	
19	50.6	19.0	13.9	6	10.4	4.9	♄ 12.1	40.2	19.17.3	27.0	* ♄ ♁ 4.2 A
20	29.57.5	1	23.6	6	12.7	7.6	1.25.9	41.9	20.18.2	23.9	♀ Elong. max.
21	m 4.0	2	33.4	6	13.9	10.4	2.39.7	43.5	21.15.3	19.9	♄ ♃ ♁ 9.20 A
22	0.10.6	3	43.4	6	St. 14.7	13.2	3.53.5	45.1	22.8.5	15.0	☉ in ♄ 1.47 A
23	17.2	4	2.53.5	5	R. 14.2	15.9	5.7.2	46.6	22.56.5	9.4	(Stat. ♂ Retr.
24	23.7	5	3.3.7	5	13.2	18.8	6.20.9	48.0	23.37.5	2.2.0	in ☐ ♄ plat.
25	30.2	6	14.0	5	11.2	21.5	7.34.5	49.4	24.13.2	1.53.6	
26	36.7	8	24.4	5	8.5	24.4	8.48.1	50.7	24.42.6	44.4	
27	43.1	19.9	35.0	5	4.8	27.2	10.1.6	51.9	25.3.3	33.0	
28	49.5	20.0	45.7	5	21.0.2	30.1	11.15.1	53.1	15.2	21.5	
29	0.55.8	1	3.56.5	4	20.54.9	32.9	12.28.5	54.2	R. 17.5	1.8.0	Stat. ♁ Retr.
30	1.2.1	20.2	4.7.4	44.4	20.49.0	35.8	13.41.9	55.3	25.9.3	0.53.1	Vig. ♁ ♁ 2.8 A Qn. ♄ ♁ 9.29 P
Novemb.	m	/ //	☿	/ //	♄	/ //	♃	0 / //	♁	0 / //	Temp. Asp.
Dir. Or.	z. Gr.	Dir. Oc	o Gr.	Ret. Or	z Gr.	Dir. Oc	Mer.	Ret. Oc	Mer.	Ret. Oc	med. ARGENT.
♄	S. A	♃	M. A	♂	S. A	♀	Defc.	♁	Afc.	♁	rim.

Decemb. Motus LUMINARIUM correct.

Anno 1629.

Styl. Ver.	Nov. Loc. ver. →	Cum s. Plan. Aspect. ☉. & Conjunct. ☽	D longitudo. D latitudo.				D Phases (seu Aspect cum ☉)	Locus Ω		
			juxta hypotheses & calculum					Verus Aequa- Tych. Kep. bilis	II	
			Tych.	Kep.	Tych.	Kep.				
Dies	o / //	Asp. Hor. Mi.	Sig. o / // / //	Pla. o / // / //	Asp. Ho. Mi.	22	22	II		
Nov. 1	9.34.16		☿ 20.14	☽ 17.9	♂ 11.9	14.8	37 K	22.4	57.4	23.6.6
22 ☉	10.35.22	18 K	☽ 24.7	♂ 32.6	♂ 1.6.3	4.0	☿ 10.53 T	5	56.2	35
23	11.36.29	☽ 2.33 I	18.41.9	♂ 52.9	♂ 2.21.0	19.2		6	54.0	23.0.3
24	12.37.36	Dec. ☉ 3.50	♂ 3.4.9	♂ 15.5	♂ 3.27.4	26.0		7	52.8	22.57.1
25	13.38.44	Bq. ☉ 8.32	17.24.7	♂ 33.2	♂ 4.20.5	19.5	Δ 4.56 A	22.9	50.8	53.9
26	14.39.53	Dperi. 3.29 A	mp 1.41.2	♂ 4.9	♂ 4.57.3	56.5	35 K	23.1	48.6	50.8
27	15.41.3	♂ 3.19. (10.27	15.51.2	♂ 51.1	♂ 5.15.7	15.4	□ 11.25 A	4	46.1	47.0
28	16.42.14	Sq. ☉ 8.0	29.52.5	♂ 47.6	♂ 5.15.1	15.4	T. & K	23.8	43.5	44.4
29 ☉	17.4.2	8.8 K	13.45.2	♂ 36.6	♂ 4.56.2	57.0	* 7.13 I	24.2	40.7	41.2
30	18.44.38	☽ 7.53 T	27.28.0	♂ 17.4	♂ 4.20.5	21.8	31 K	24.0	37.8	38.0
Dec. 1	19.45.5		m 10.59.2	♂ 48.8	♂ 3.30.7	32.2	5.8 K	25.1	34.8	34.9
2	20.47.5	6.44 A) 8.5 K	24.18.5	♂ 10.1	♂ 2.30.2	31.0	5S. 4.51 A	25.7	31.7	31.7
3	21.48.19	Sq. ☉ 7.0	7.24.6	♂ 19.6	♂ 1.22.7	23.3	T. & K	26.2	28.5	28.5
4	22.49.34	(7.57. T	20.17.0	♂ 16.0	♂ 0.12.1	12.0	♂ 4.58	26.7	25.3	25.3
5	23.50.45		♂ 2.55.3	♂ 58.6	♂ 0.57.7	58.7	Eclips. ☉	27.3	22.2	22
6 ☉	24.52.5	2.30 A. K)	15.20.4	♂ 27.3	♂ 2.39	5.3		27.8	19.1	19.0
7	25.53.22	2.53. A) 10.36 A	27.33.6	♂ 43.1	♂ 3.3.1	4.8	S. 8.8 A	28.3	16.0	15.8
8	26.54.35	☽ 9. Vig. ☉	9.36.8	♂ 47.5	♂ 3.53.3	54.9	7.49 K	28.8	14.2	14.0
9	27.55.56	(☽ 7.46 A	21.32.7	♂ 43.1	♂ 4.32.9	34.2	29 K	29.2	10.2	9.4
10	28.57.14	(Dapo. 24 K	3.25.3	♂ 41.1	♂ 5.0.4	1.2	* 1.50 A	6	7.6	6.3
11	29.58.32	(10.18 P	15.16.2	♂ 21.0	♂ 5.15.1	15.3	57 K	29.9	5.1	22.3.1
12	30.59.51		27.12.1	♂ 13.7	♂ 5.16.5	16.3	□ 7.58 T	30.1	2.8	21.59.9
13 ☉	2.11.0		9.16.6	♂ 14.0	♂ 5.4.0	3.2		3	0.7	56.7
14	3.2.28	* ☉ 6.20	21.34.3	♂ 28.3	♂ 4.37.0	36.4		5	2.0	53.6
15	4.3.47		♂ 4.11.2	♂ 1.5	♂ 3.57.2	55.7	Δ 11.38 A	6	2.0	50.4
16	5.5.5		17.9.5	♂ 9.1	♂ 3.3.8	2.0	47 K	7	55.9	47.2
17	6.6.24		♂ 0.33.2	♂ 22.9	♂ 1.58.9	56.7	☿ 10.9 T	8	54.9	44.0
18	7.7.43	Qd. ☉ 5. fere	14.21.4	♂ 13.9	♂ 0.41.1	42.3	25 K	8	54.1	40.9
19	8.9.2	(☽ 10.5 A	28.33.8	♂ 30.2	♂ 0.33.5	36.6		8	53.6	37.7
20 ☉	9.10.21	☽ 10.5 plat.	13.6.4	♂ 7.0	♂ 1.51.0	54.8	♂ 4.44 A	7	1	34.5
21	10.11.39	SS. ☉ 5.14 P	27.52.5	♂ 58.8	♂ 3.3.4	6.6	45 K	10.	53.0	21.31.
Ver. Nov. Dies	o / //	Temp. Asp.	Latitud. Dmax. Tych.				Lat.	Ω D. 1 H. 3.22 I		
	♂	STRASBUR- GICUM.	D 7 H 10. 5. P	S. 5 gr. 17. m. 6			D	Ω D. 14 H. 3. 51 P		
Decem.	☉		D 22 H 4.40 A	M 5 gr. 17. m. 6			null.	Ω D. 29 H. 1 29 A		

Decemb. Motus 5. PLANETARUM Tychonico-Keplerian. Anno 1639.

St.	♄ D.Or.		♃ D.Oc.		♂ R.Or.		♀ D.Oc.		♁ R.Or.		Eorundem Configurati-on. & Stat.
	Long.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	Longit.	Lat.	
nov.	m	s. A	'''	M. A	'''	s. A	'''	M. D	'''	M. A.	Asp. Hor. Min.
Dies	o / //	2 Gr.	o / //	o Gr.	o / //	2 Gr.	o / //	o / //	o / //	o / //	
1	1. 8. 3	20. 3	4. 18. 4	14. 4	20. 43. 1	38. 7	14. 55. 3	1. 56. 4	24. 50. 1	0. 36. 7	Vig. ♁ ♁ 7. 48
2	14. 5	5	29. 6	4	34. 0	41. 6	16. 8. 7	57. 4	24. 18. 8	18. 9	
3	20. 6	6	40. 9	4	24. 6	44. 5	17. 22. 1	58. 3	23. 37. 4	M. 0. 5	2d. ♁ ♁ 2. 37
4	26. 7	8	45. 2. 3	4	15. 0	47. 3	18. 35. 5	59. 1	22. 44. 2	S. 19. 0	4. 23 (8. 23)
5	32. 7	20. 9	5. 3. 8	4	20. 5. 2	50. 2	19. 48. 8	1. 59. 8	21. 41. 5	A. 39. 1	♁ ♁ ♁ ♁ ♁ ♁
6	38. 7	21. 1	15. 3	4	19. 54. 2	53. 0	21. 2. 1	2. 0. 1	20. 28. 8	0. 59. 1	♁ ♁ ♁ ♁ 3. 18
7	44. 6	3	26. 9	3	4. 19. 55. 9	22. 15. 3	0. 7	19. 10. 0	1. 18. 7		Dec. ♁ ♁ 2. 35
8	50. 5	4	38. 6	3	29. 0	2. 59	23. 28. 4	2. 1. 0	17. 47. 1	36. 8	
9	1. 56. 3	6	5. 50. 3	3	15. 3	3. 1	24. 41. 5	Mer.	16. 23. 1	1. 54. 1	♁ R. Velociff. & Oriental.
10	2. 2. 0	7	6. 2. 1	3	19. 0. 7	4. 2	25. 54. 5	Afc.	14. 59. 9	2. 10. 5	
11	7. 7	21. 9	14. 0	3	18. 45. 4	6. 9	27. 7. 5	2. 1. 0	13. 41. 5	25. 0	3. 20 A)
12	13. 3	22. 0	26. 0	3	29. 4	9. 6	28. 20. 4	1. 0	12. 29. 9	36. 0	q. ♁ ♁ Bq. ♁ ♁
13	18. 9	2	38. 1	3	18. 12. 6	12. 2	29. 33. 3	0. 9	11. 26. 8	43. 8	(11. 57. A)
14	24. 4	4	6. 50. 3	14. 3	17. 55. 1	14. 8	30. 46. 2	0. 8	10. 33. 6	49. 8	
15	29. 8	6	7. 2. 5	Mer.	36. 9	17. 3	1. 59. 0	0. 6	9. 51. 6	53. 8	□ ♁ ♁ 10. 40
16	35. 1	7	14. 8	Defic.	17. 18. 1	19. 8	3. 11. 8	0. 4	20. 5	55. 8	
17	40. 4	22. 9	27. 2	44. 3	16. 58. 6	22. 2	4. 24. 6	2. 0. 0	9. 0. 6	D. 55. 5	Stat. ♁ Dir.
18	45. 6	23. 1	39. 6	3	38. 4	24. 5	5. 37. 3	1. 59. 5	8. 51. 4	54. 3	
19	50. 7	3	7. 52. 1	3	16. 17. 7	26. 8	6. 50. 0	58. 9	0. 52. 1	51. 4	(in ♁ ♁ plat.
20	2. 55. 8	4	8. 4. 6	3	15. 56. 5	29. 0	8. 2. 6	58. 3	9. 3. 5	47. 2	♁ ♁ ♁ 0. 31
21	3. 0. 8	6	17. 2	3	34. 9	31. 2	9. 15. 1	57. 5	20. 9	42. 1	♁ in ♁ 0. 18
22	5. 8	23. 5	29. 8	3	15. 12. 8	33. 5	10. 27. 5	56. 6	9. 47. 5	36. 1	(♁ ♁ ♁ 2. 45
23	10. 7	24. 0	42. 5	3	14. 50. 3	35. 4	11. 39. 8	55. 6	10. 20. 6	29. 4	Trid. ♁ ♁ 5. 51
24	15. 5	2	8. 55. 2	4	27. 5	37. 4	12. 52. 0	54. 4	11. 0. 6	22. 3	(Solstit. Hy.
25	20. 2	4	9. 7. 9	4	14. 4. 4	39. 3	14. 4. 1	53. 1	11. 45. 8	14. 6	
26	24. 9	6	20. 7	4	13. 40. 9	41. 1	15. 16. 2	51. 7	12. 36. 1	2. 6. 6	(2. 39 P)
27	29. 5	24. 9	33. 5	4	13. 17. 2	42. 7	16. 28. 2	58. 2	13. 30. 7	1. 58. 3	♁ perigr.
28	34. 0	25. 1	46. 3	4	12. 53. 5	44. 3	17. 40. 1	48. 7	14. 29. 5	49. 8	♁ max. elong.
29	35. 4	3	9. 59. 2	4	29. 4. 45. 8	18. 51. 9	47. 1	15. 32. 5	41. 1	41. 1	Bq. ♁ ♁ 6. 5 A
30	42. 8	5	10. 12. 1	4	12. 5. 4	47. 2	20. 3. 6	45. 4	16. 39. 6	32. 3	♁ R. Velociff.
31	3. 47. 1	25. 7	10. 25. 0	44. 4	11. 42. 1	48. 5	21. 15. 3	1. 43. 7	17. 50. 8	1. 23. 4	♁ elong. magn.
Dec.	m	/ //	'''	/ //	'''	/ //	'''	o / //	'''	o / //	Mot. Planet.
	Dir. Or	2. Gr.	Di. Occ	o Gr	Ret. Or	3 Gr.	Dir. Oc.	Mer.	Dir. Or	Sept.	URANIBUR- GICI.
	♄	S. A	♃	M. D	♂	S. A	♀	Afc.	♁	Defc.	

TABULA triplicis ÆQUATIONIS TEMPORIS sive Die-
 nis Empirica, eaq; Simplex & Universalis: II. Astronomo-
 composita & temporaria præsentis seculi, ex TABULIS RU-

⊙ Grad.	sig. V			♄			♃			♂			♁			♂			⊙ Grad.
	T	A	K	T	A	K	T	A	K	T	A	K	T	A	K	T	A	K	
	Ad	Su	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Su	Su	Ad	Su	Su	Su	Su	Su	Su	
0	0	8	13	8	1	21	9	4	17	0	1	1	9	5	14	8	2	19	0
1	0	8	13	9	1	21	9	4	17	0	1	0	9	5	15	8	2	19	1
2	1	8	14	9	1	21	8	4	16	1	1	Su	9	5	15	8	1	19	2
3	1	7	14	9	1	21	8	4	16	1	1	0	9	5	15	8	1	19	3
4	1	7	15	9	2	21	8	4	15	1	2	1	9	5	16	8	1	19	4
5	2	7	15	9	2	21	8	3	15	2	2	1	9	5	16	7	0	19	5
6	2	6	15	9	2	21	8	3	14	2	2	2	10	5	16	7	Ad	19	6
7	2	6	16	9	2	21	7	3	14	3	2	2	10	5	17	7	0	19	7
8	3	6	16	10	2	21	7	3	13	3	3	3	10	5	17	7	0	19	8
9	3	5	16	10	2	21	7	3	13	3	3	3	10	5	17	6	1	18	9
10	3	5	17	10	3	21	7	3	13	4	3	4	10	5	17	6	1	18	10
11	4	5	17	10	3	21	6	3	12	4	3	5	10	5	18	6	2	18	11
12	4	4	17	10	3	21	6	3	12	4	3	6	10	5	18	6	2	18	12
13	4	4	17	10	3	21	6	2	11	5	4	6	10	5	18	5	2	18	13
14	4	4	18	10	3	21	5	2	11	5	4	7	10	5	18	5	3	18	14
15	5	3	18	10	3	21	5	2	10	5	4	7	10	5	18	5	3	17	15
16	5	3	18	10	4	20	5	2	9	5	4	8	10	5	19	4	3	17	16
17	5	3	18	10	4	20	5	2	9	6	4	8	10	5	19	4	4	17	17
18	6	2	19	10	4	20	4	2	8	6	4	9	10	4	19	4	4	17	18
19	6	2	19	10	4	20	4	1	8	6	4	9	10	4	19	4	4	17	19
20	6	2	19	10	4	20	4	1	7	7	5	10	10	4	19	4	4	17	20
21	6	1	19	10	4	20	3	1	7	7	5	10	10	4	19	3	5	16	21
22	7	1	20	10	4	19	3	1	6	7	5	11	10	4	19	3	5	16	22
23	7	1	20	10	4	19	3	1	6	7	5	11	9	4	19	2	6	16	23
24	7	1	20	10	4	19	2	0	5	8	5	12	9	3	19	2	6	15	24
25	7	Ad	20	9	4	18	2	0	5	8	5	12	9	3	19	2	7	15	25
26	8	0	20	9	4	18	1	Su	4	8	5	13	9	3	19	1	7	15	26
27	8	0	21	9	4	18	1	0	4	8	5	13	9	3	19	1	7	14	27
28	8	0	21	9	4	17	1	0	3	8	5	14	9	2	19	1	8	14	28
29	8	1	21	9	4	17	0	1	2	9	5	14	9	2	19	0	8	14	29
Gr.	Ad	Ad	Ad	Ad	Ad	Ad	Ad	Su	Ad	Su	Su	Su	Su	Su	Su	Su	Ad	Su	Gr.

Minuta horaria temporis Aspectuum medi Adenda vel Subtrahenda.

Die
mo.
Ru.

rum TYCHONICO-KEPLERIANA: cujus I. TYCHONICORUM Demonstrativa. III. KEPLERI Physica. Utraq; ista DOLPHINIS sic transformata.

Gr. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	Sig. ♃			♄			♃			♂			♁			♋ Sign.			Gr. 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29
	T	A	K	T	A	K	T	A	K	T	A	K	T	A	K	T	A	K	
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	
0	0	8	13	8	16	4	9	14	1	0	1	1	9	12	3	8	15	2	0
1	0	9	13	9	16	4	9	13	1	0	0	1	9	12	3	8	15	2	1
2	1	9	13	9	16	3	8	13	1	1	Su	2	9	13	3	8	15	3	2
3	1	9	12	9	16	3	8	13	1	1	0	2	9	13	3	8	15	3	3
4	1	10	12	9	16	3	8	12	1	1	1	2	9	13	3	8	15	4	4
5	2	10	12	9	16	3	8	12	1	2	1	2	9	13	3	7	14	4	5
6	2	10	11	9	16	2	8	12	1	2	2	2	10	14	3	7	14	4	6
7	2	11	11	9	16	2	7	11	1	3	2	2	10	14	3	7	14	5	7
8	3	11	11	10	16	2	7	11	1	3	3	2	10	14	3	7	14	5	8
9	3	11	10	10	16	2	7	11	1	3	3	2	10	14	2	6	14	6	9
10	3	11	10	10	17	1	7	10	1	4	4	3	10	14	2	6	14	6	10
11	4	12	10	10	16	1	6	10	1	4	4	3	10	14	2	6	14	6	11
12	4	12	9	10	16	1	6	9	1	4	5	3	10	15	2	6	13	7	12
13	4	12	9	10	16	1	6	9	1	5	5	3	10	15	2	5	13	7	13
14	4	13	9	10	16	1	5	9	1	5	6	3	10	15	2	5	13	7	14
15	5	13	8	10	16	1	5	8	1	5	6	3	10	15	1	5	13	8	15
16	5	13	8	10	16	0	5	8	0	5	7	3	10	15	1	4	12	8	16
17	5	13	8	10	16	0	5	7	0	6	7	3	10	15	1	4	12	8	17
18	6	14	7	10	16	Ad	4	7	0	6	8	3	10	15	1	4	12	9	18
19	6	14	7	10	16	0	4	6	0	6	8	3	10	15	1	4	12	9	19
20	6	14	7	10	16	0	4	6	Su	7	9	3	10	15	0	3	11	10	20
21	6	14	6	10	15	0	3	5	0	7	9	3	10	15	0	3	11	10	21
22	7	15	6	10	15	0	3	5	0	7	9	3	10	15	0	3	11	10	22
23	7	15	6	10	15	1	3	4	0	7	10	4	9	15	0	2	10	11	23
24	7	15	5	10	15	1	2	4	1	8	10	4	9	15	Ad	2	10	11	24
25	7	15	5	9	15	1	2	3	1	8	10	4	9	15	0	2	10	11	25
26	8	15	5	9	15	1	1	3	1	8	11	4	9	15	1	1	9	12	26
27	8	15	5	9	14	1	1	2	1	8	11	4	9	15	1	1	9	12	27
28	8	16	4	9	14	1	1	2	1	8	11	3	9	15	1	1	9	13	28
29	8	16	4	9	14	1	0	1	1	9	12	3	9	15	1	0	9	13	29

Minuta horaria temporis hujus Ephem. Ad. vel Sub. ut fit Apparens.

CATALOGUS LOCORUM PRÆCIPUORUM,
GERMANIÆ præcipuè, continens insigniorum ex plerisque
Regionibus Civitatum Meridianorum differentiam tem-
porariam, respectu Argentinensis, quoad Aspect. temp.
& Uraniburgici quoad motus.

Civitates	Ar.	Lat.	Ur.	Civitates	Ar.	Lat.	Ur.	Civitates	Ar.	Lat.	Ur.				
ALSATIÆ	S	0	/	A	FRANCON.	A	0	/	A	HOLLAND.	S	0	/	A	
Argentini.	0	48. 27	17	Aldorff Nor.	14	49. 24	3	Alcmaria	14	52. 41	31				
Cæsaremon.	4	48. 6	21	Anspach	11	49. 15	6	Amsterdam	12	52. 25	29				
Colmaria	3	48. 0	20	Bamberg	12	49. 57	5								
Hagenoa	0	48. 43	17	Coburg	12	50. 20	5	BRABANTI.	S	0	/	A			
Selestad.	1	48. 10	18	Herbipolis	7	49. 44	10	Antwerp.	15	51. 12	32				
Tabernæ	2	48. 30	19	Noriberg.	13	49. 26	4	Bruxella	15	50. 45	32				
BRISGOIÆ	S	0	/	A	PALATIN.	A	0	/	A	DANIÆ	A	0	/	A	
Brusacum	1	48. 0	18	Amberga	17	49. 32	0	Coppenhag.	16	55. 43	1				
Friburgum	0	48. 12	17	Heidelberg	3	49. 36	14	URANIBUR.	17	55. 55	0				
				Oppenheim	1	49. 52	16								
								SUECIA	A	0	/	S			
HELVETIÆ		0	/	A	LOTHAR.	S	0	/	A	Stockholm	28	58. 50	11		
Basilea	S	1	47. 54	18	Nancy	7	48. 40	24							
Berna	S	2	46. 50	19	Metis	8	49. 10	25	NORDVEG.	A	0	/	S		
Constantia	A	4	47. 37	13	Treveris	7	49. 50	24	Nordcap.	59	62. 0	52			
Lucerna	A	1	46. 54	10											
Tigurum	A	3	47. 22	14	IMPERIAL.	S	0	/	A	LIVONIÆ	A	0	/	S	
					Aquisgran.	7	50. 48	24	Riga	69	56. 45	52			
SUEVIÆ	A	0	/	A	Colonia	5	50. 56	22							
Augusta Vin.	13	48. 22	4	Confluent.	3	50. 22	20	BORUSSIÆ	A	0	/	S			
Campidun.	10	47. 32	7	Francford.	0	50. 7	17	Dantiscum	45	54. 23	28				
Lauinga	11	48. 39	6	Moguntia	2	50. 10	19	Monsregius	55	55. 8	38				
Ulma	9	48. 24	8	Spira (A)	2	49. 24	15	Torunium	45	56. 45	28				
				VVormacia	4	50. 25	21								
BAVARIÆ	A	0	/	A	VVila P.K.	4	48. 47	13	MARCHIÆ	A	0	/	S		
Ingolstad.	15	48. 42	A 2					Berolin.	23	52. 34	6				
Landshut.	17	48. 27	S 2	HASSIÆ	A	0	/	A	Brandenbur.	19	52. 30	2			
Monachium	16	48. 2	A 1	Cassellæ	4	51. 19	13	Francford.	25	52. 20	S				
Ratisbona	18	49. 9	S 1	Marpurg.	1	50. 43	16								
Salisburg.	22	47. 42	S 5	VVESTPHAL.		0	/	A	POMERAN.	A	0	/	S		
				Monaster.	S	3	52. 0	20	Gryphisval.	22	54. 30	5			
VVIRTEMB.	A	0	/	A	Osnabrug.	S	1	52. 27	18	Stargard.	28	53. 25	11		
Stutgard.	5	48. 49	12	Padelborn.	A	2	51. 49	15	Sterin.	25	53. 36	8			
Tubinga	5	48. 34	12					Stralsund.	21	54. 30	4				

Not. Locorum ascriptorum latitudo, & differentia Meridianorum in tempus conversa, desumta est ex recentis. Cl. KEPLERI in Tabulis Rudolphinis descriptione correcta. Ubi prior diff. Ad. vel Sub. tempori Aspect. Argentinensi dat Reductum loco dato: Posterior Ad. vel Sub. tempori tuo dat Reduct. Uraniburgicum.

Civitates	Ar.	Lat.	Ur.	Civitates	Ar.	Lat.	Ur.	Civitates	Ar.	Lat.	Ur.
SAXONIAE				SILESIAE				CARINTH.			
Brema	3	53. 8	14	Briga	36	50. 53	19	Claudifor.	25	46. 26	8
Brunsviga	9	52. 16	8	Glatzium	33	50. 25	15	Villacum	24	46. 22	7
Hala	14	51. 38	3	Glogovia	31	51. 40	14	TIROLIS			
Halberstad.	10	52. 8	7	Goldberg.	30	51. 4	13	Brixia	16	46. 27	1
Hamburg.	7	53. 43	10	Lignitum	32	51. 8	15	Inipons	15	47. 5	2
Lubec.	9	53. 58	8	Münsterberg.	35	50. 36	18	ITALIAE			
Luneburg.	9	53. 36	8	Nissa	36	50. 30	19	Bononia	10	43. 49	7
Magdeburg.	13	52. 15	4	Oppolia	39	50. 36	22	Ferrara	12	44. 45	5
Rosloch.	17	54. 10	0	aganum	26	51. 30	9	Florentia	10	43. 10	7
Viteberg.	18	51. 53	5	proptta	28	51. 28	11	Neapolis	25	40. 42	8
THURING.				MORAVIAE				SABAUDIAE			
Erphord.	10	51. 3	7	Brunna	34	48. 8	17	Geneva	7	45. 54	24
Jena	13	51. 0	4	Olmuntha	36	49. 30	19	Laufanna	4	46. 7	21
Isenacum	7	51. 0	10	BOHEMIAE				GALLIAE			
Islebia	12	51. 40	5	Benatka	25	50. 18	8	Aurelia	24	47. 40	41
Salfeldia	11	50. 47	6	Gretza reg.	30	50. 11	13	Lugdun.	11	45. 0	28
Vinaria	11	51. 6	6	Pilsena	20	49. 54	3	Lutet. Paris.	23	48. 39	40
MISNIAE.				POLONIAE				ANGLIAE			
Dresda	21	51. 6	5	Cracovia	48	49. 58	31	Cantabrig.	35	51. 20	42
Lipsia	16	51. 24	1	VVarsovia	55	52. 20	38	Londinum	31	51. 32	48
Torga	16	51. 30	1	UNGARIAE				HISPANIAE			
VOITLAND.				AUSTRIAE				COMPOSTELL.			
Olsnitium.	15	50. 30	2	Buda	45	47. 8	28	Madrid.	44	40. 45	61
LUSATIAE.				VIENNA							
VI. Civitat.				Caschovia	50	48. 30	33				
Budissina	24	51. 10	7	Presburg.	37	48. 25	20				
Gorlitzium	26	52. 8	9	Stria Gretz.	31	47. 2	4				
Zittavia	25	50. 55	8	VIENNA							
LANBA patr.	37	51. 6	10	Lincium	27	48. 16	10				
Camenza	22	51. 15	5	Vienna	33	48. 22	10				
Löbavia	25	51. 5	8								

EXPLICATIO CHARACTERUM ET NOTARUM in hac Ephemeride notabiliter occurrentium.

Luminaria 2,	SIGNA Zodiaci XII.			
☉ Sol	Septent.	Incomp.	Merid.	
☾ Luna				
Planetz 5,	♈ Aries	1 7	♎ Libra	
♄ Saturnus	♉ Taurus	2 8	♏ Scorp.	
♃ Jupiter	♊ Gemini	3 9	♐ Sagittar.	
♂ Mars	♋ Cancer	4 10	♑ Capricor.	
♀ Venus	♌ Leo	5 11	♒ Aquar.	
☿ Mercurius	♍ Virgo	6 12	♓ Pisces	

In columellis Planēt

c G. vel Gr. Gradus.
/ M. vel Mi. Minuta.
// in colum. ☉ Secunda.

In reliquis columellis,

Ultimus ad dextram numerus notat Secunda quidem, sed toties sex, quot unirates, sive minuti decimas.

ASPECTUUM vet. & nov. adhibitorum

Charact.	Nomina seu Appellation.	Distant. Sig.	G.	In columell. Phasium ☽
☿	CONIUNCTIO	o.	o	☿ Novilunium
Vig.	Vigintilis	o.	18	☽ nova
Qd.	Quindecilis	o.	24	
SS	Semisextus	1.	o SS	
Dec.	Decilis	1.	6	Corniculata seu falcata
Sq.	Semiquadrat	1.	15	
*	SEXTILIS	2.	o *	
Qn.	Quintilis	2.	12	
□	QUADRATUS	3.	o □	Quādra
Trid.	Tridecilis	3.	18	Semiplena
△	TRIGONUS	4.	o △	
Trio.	Trioctilis	4.	24	Gibbosa
Qc.	Quincunx	5.	o Q	
☽	OPPOSITIO	6.	o ☽	Plenilun.

Ergo numero rotundo
2 12
3 18
4 24
5 // 30

Secunda dimidio min. pauciora.
Dimid. min.
Secunda dimidio min. plura.

In columell. Titulor. Planet.

D. vel Dir. Directus.
R. vel Ret. Retrogradus.
St. vel Stat. Stationarius.
Or. Orientalis seu matutin.
Occ. Occidental. seu Vespertin.
S. Septentrional. A Ascend.
M. Meridional. D. Descen.

In columellis Aspectuum.

A. vel A M. Ante Meridiem. P. vel P M. Post Meridiem.
T. juxta Tychonem. K. juxta Keplerum. (ad præced. vel seq. diem.)

In Tabulâ Æquationis temporis.

1. T. Primus modus æquandi Tychonis empiricus.
2. A. Alter modus Astronomorum demonstrativus.
3. K. Tertius Kepleri Physicus, de quibus plura in Præfatione.

In Tabulâ seu Catalogo Locorum.

Ar. Argentoratensis. Ur. Uraniburgici Meridiani respectu.
A. Adde. S. Subtrahe. Plura de singulis in Præfatione.

F I N I S.

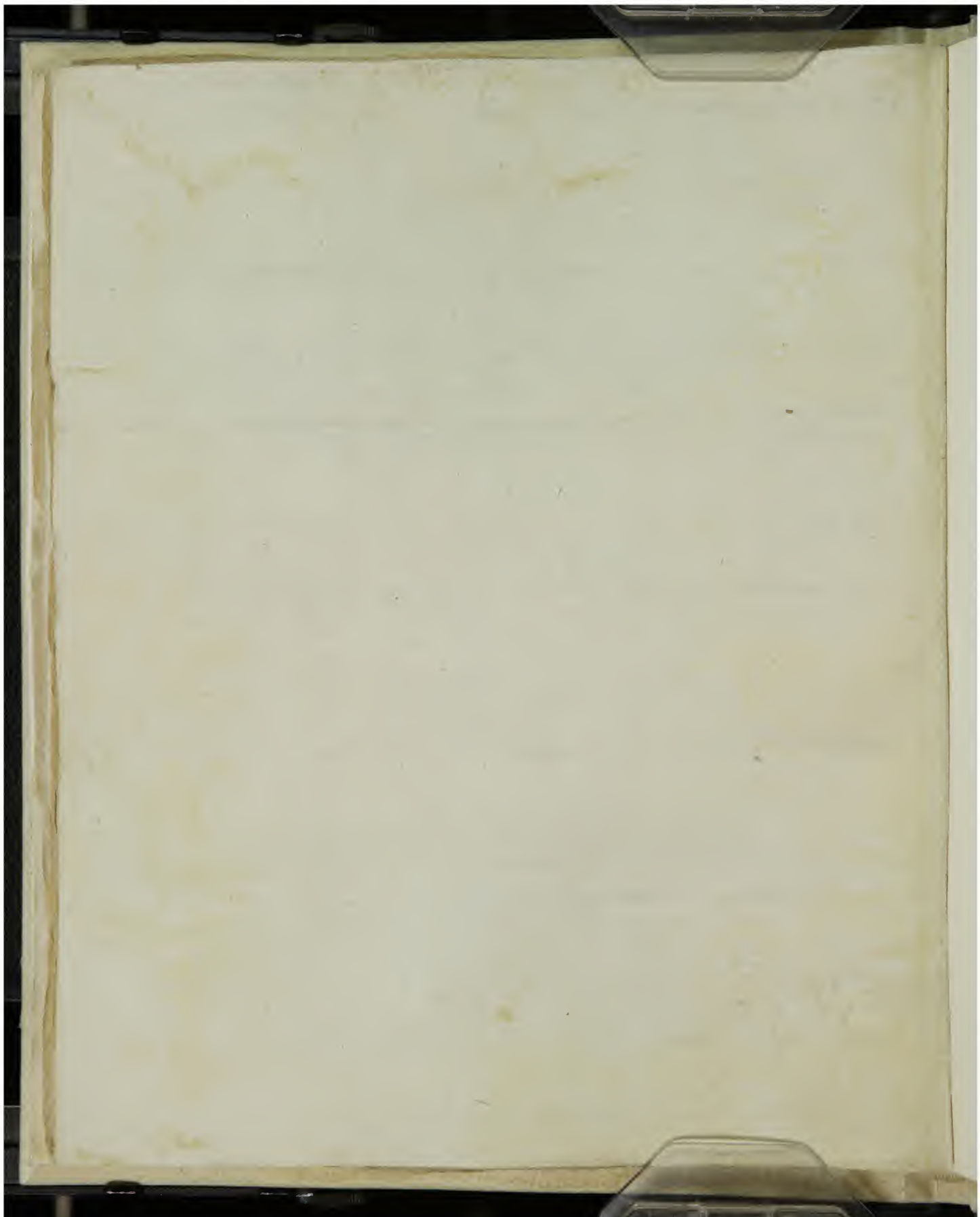
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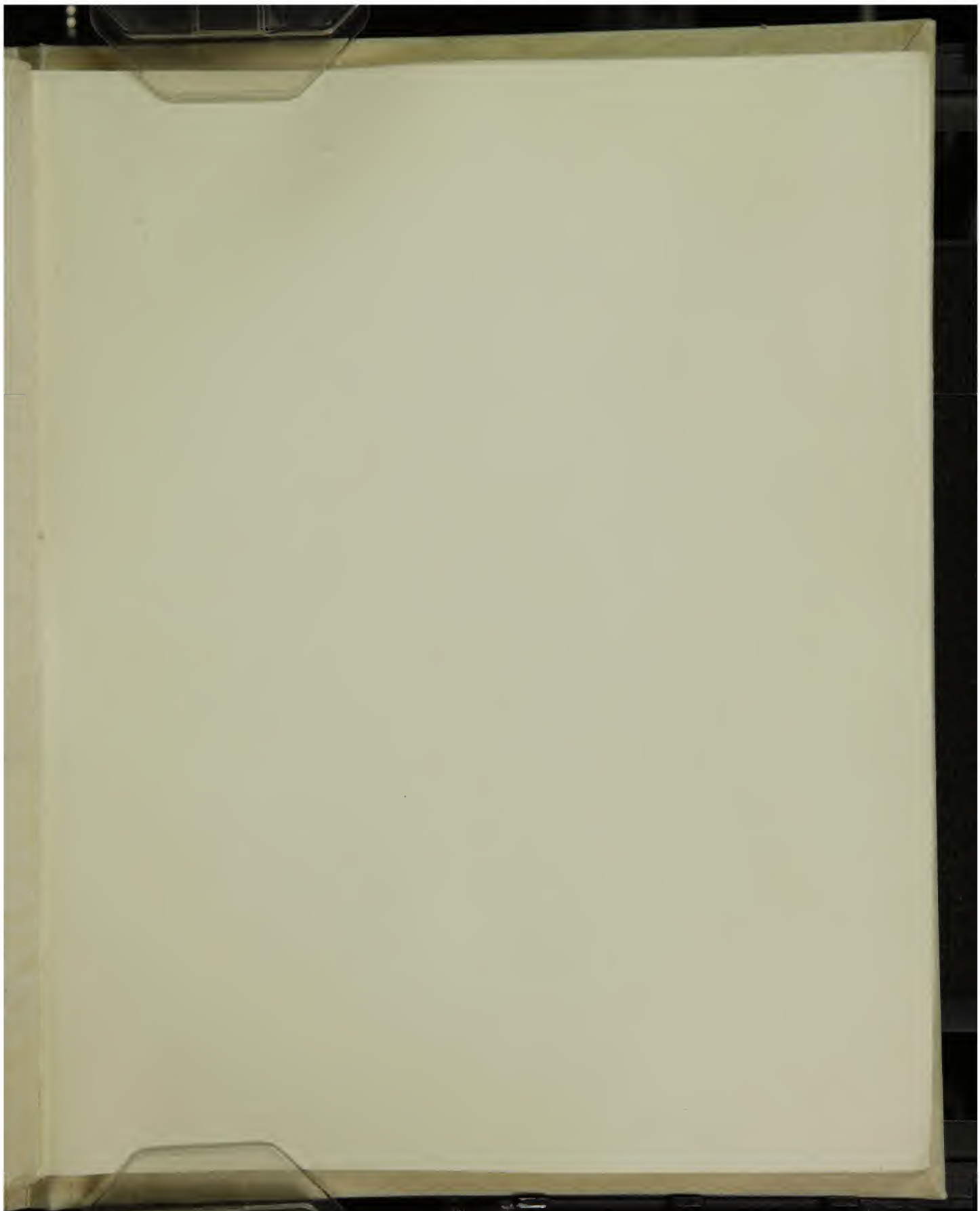
1. 6. 274

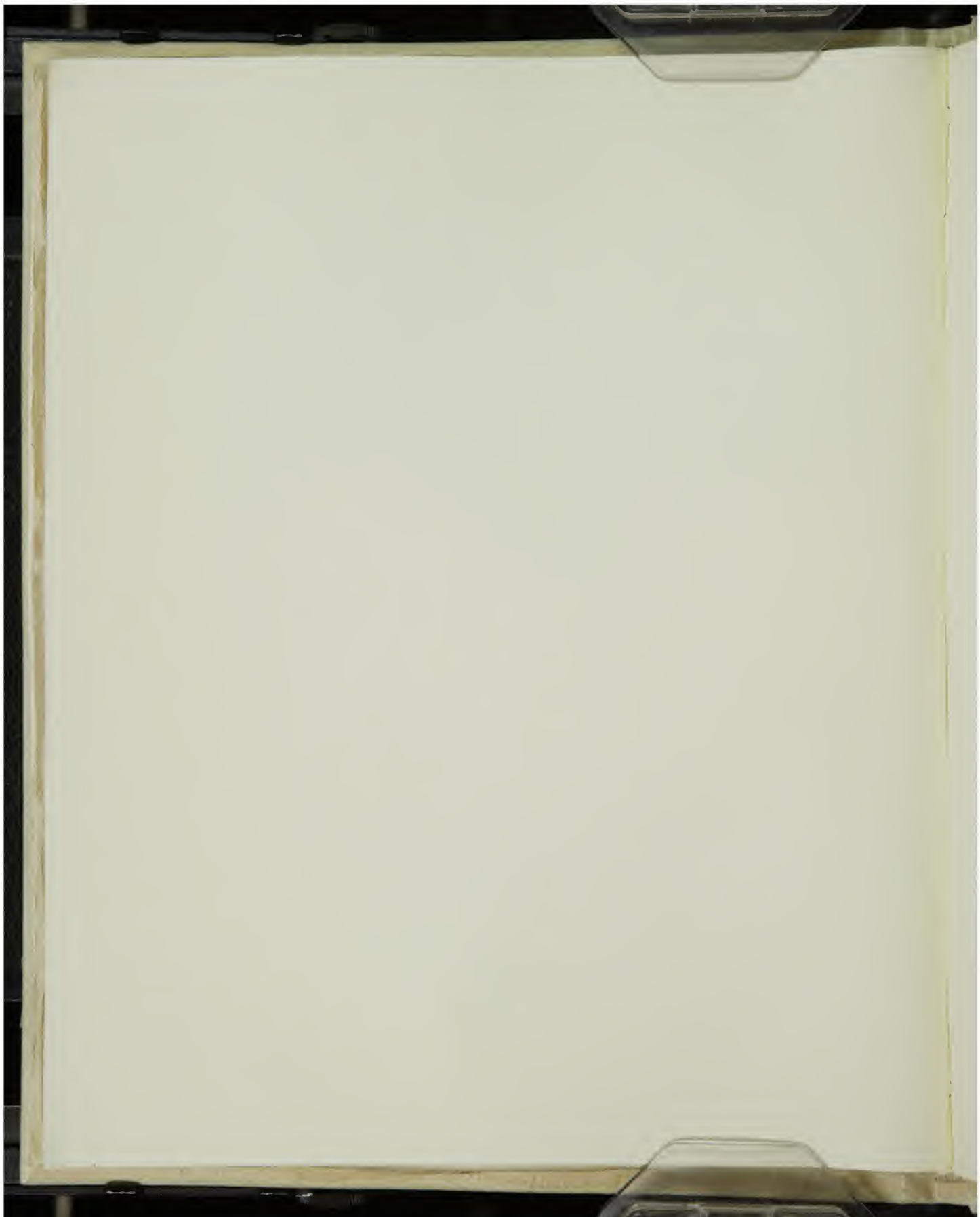
XXVI

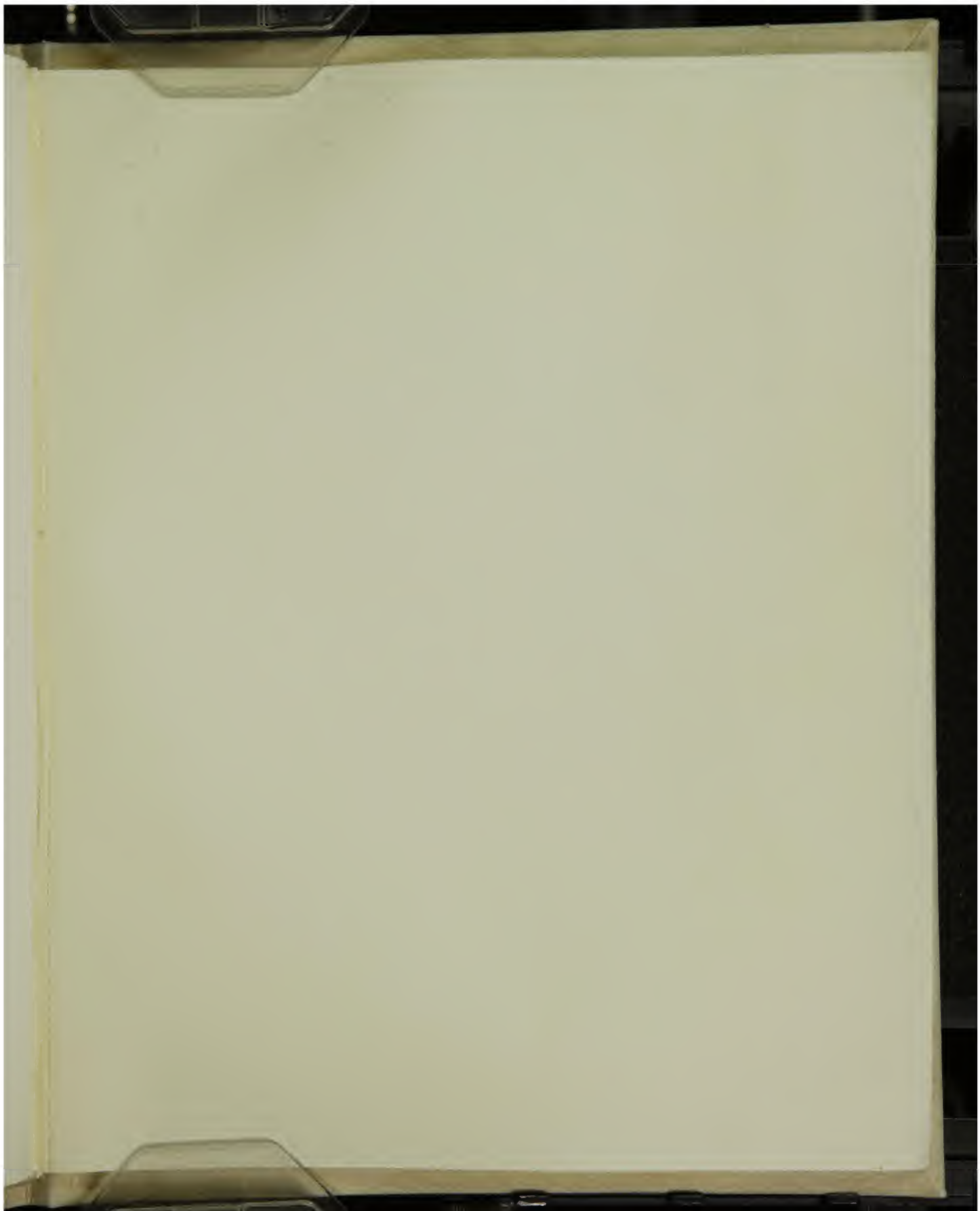
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